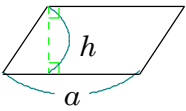
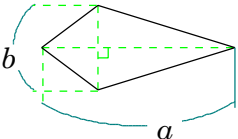
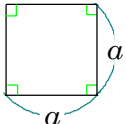
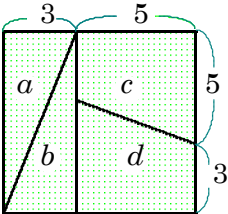
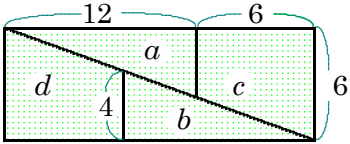


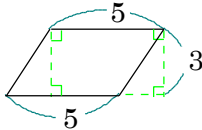
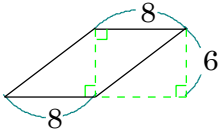
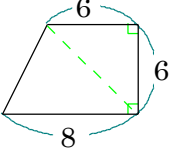
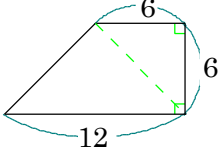
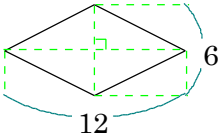
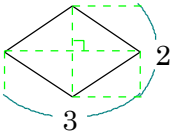
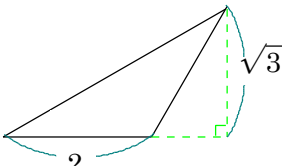
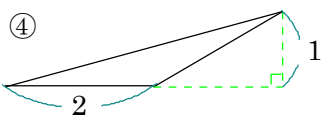
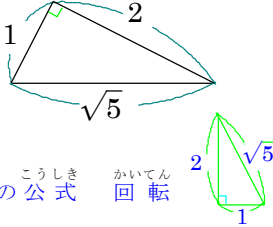
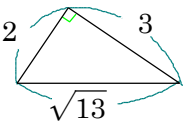
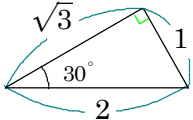
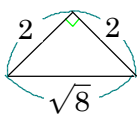
1. 面積 S を求める公式に対応する図形を書きなさい。
Draw a figure that satisfies the formula for area S .

3. 次の図形の面積を求めよ。 Find the area of the following figures.

例題	問題
<p>① $S = a \times h$</p> <p>底辺 a, 高さ h Base Altitude</p>  <p>※ 平行四辺形 Parallelogram</p>	<p>① $S = a \times b$</p> <p>縦 a, 横 b Hight Width</p>
<p>② $S = a \times b \div 2$</p> <p>対角線 a, b Diagonal line</p>  <p>※ たこ形 Kite</p>	<p>② $S = a \times h \div 2$</p> <p>底辺 a, 高さ h Base Altitude</p>
<p>③ $S = a^2$</p> <p>縦 a, 横 a Side Side</p>  <p>※ 正方形 Square</p>	<p>③ $S = (a + b) \times h \div 2$</p> <p>上底 a, 下底 b, 高さ h Upper base Lower base Altitude</p>

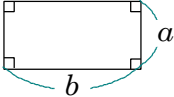

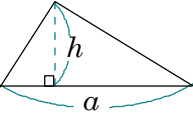

2. 三角形 a と b , 台形 c と d は合同である。この図形を組み合わせて長方形をつくる。次の面積を求めよ。
Triangles a and b and trapezoids c and d are congruent. Combine these shapes to form a rectangle. Find the area of the following figures.

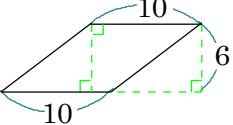
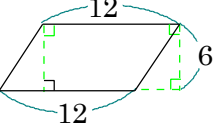
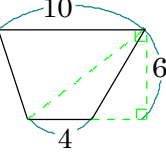
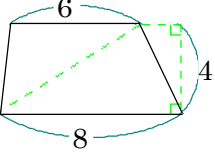
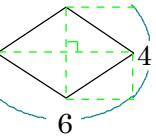
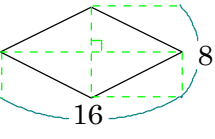
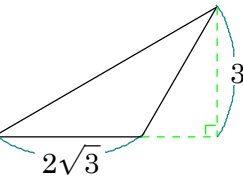
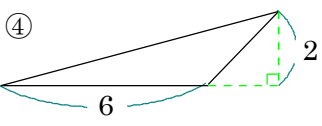
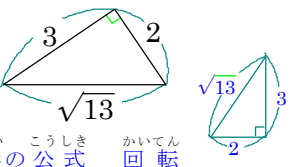
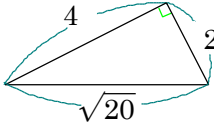
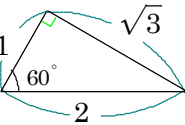
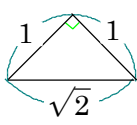
例題	問題
 <p>① 長方形 (図形全体) Rectangle (Entire figure)</p> <p>$(3 + 5) \times (3 + 5)$</p> <p>$= 64$</p>	 <p>① 長方形 (図形全体)</p>
<p>② 三角形 a Triangle</p> <p>$3 \times (3 + 5) \div 2$</p> <p>$= 12$</p>	<p>② 三角形 a</p>
<p>③ 台形 c Trapezoid</p> <p>$(3 + 5) \times 5 \div 2$</p> <p>$= 20$</p>	<p>③ 台形 c</p>

例題	問題
<p>①</p>  <p>平行四辺形</p> <p>$5 \times 3 = 15$</p> <p>台形の公式</p> <p>$(5 + 5) \times 3 \div 2 = 15$</p>	<p>①</p> 
<p>②</p>  <p>台形の公式</p> <p>$(6 + 8) \times 6 \div 2 = 42$</p> <p>三角形 + 三角形</p> <p>$8 \times 6 \div 2 + 6 \times 6 \div 2$</p> <p>$= 24 + 18 = 42$</p>	<p>②</p> 
<p>③</p>  <p>たこ形の公式</p> <p>$12 \times 6 \div 2 = 36$</p>	<p>③</p> 
<p>④</p>  <p>三角形の公式</p> <p>$2 \times \sqrt{3} \div 2 = \sqrt{3}$</p>	<p>④</p> 
<p>⑤</p>  <p>三角形の公式 回転</p> <p>$1 \times 2 \div 2 = 1$</p>	<p>⑤</p> 
<p>⑥</p>  <p>三角形の公式 回転</p> <p>$1 \times \sqrt{3} \div 2 = \frac{\sqrt{3}}{2}$</p>	<p>⑥</p> 

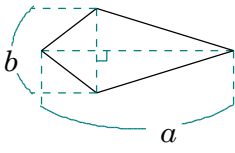
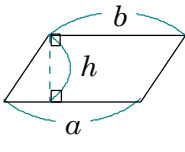
1. 面積 S を求める公式に対応する図形を書きなさい。
Draw a figure that satisfies the formula for area S .

4. 次の図形の面積を求めよ。 Find the area of the following figures.

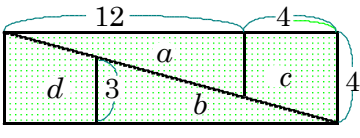
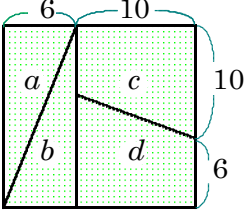
例題	問題
<p>① $S = a \times b$</p> <p>縦 a, 横 b Height Width</p>  <p>※長方形 Rectangle</p>	<p>① $S = a^2$</p> <p>縦 a, 横 a Side Side</p> 
<p>② $S = a \times h \div 2$</p> <p>底辺 a, 高さ h Base Altitude</p>  <p>※三角形 Triangle</p>	<p>② $S = a \times h$</p> <p>横 a, 高さ h Base Altitude</p> 

例題	問題
<p>①</p>  <p>へいこうしへんけい 平行四辺形</p> <p>$10 \times 6 = 60$</p> <p>だいけい こうしき 台形の公式</p> <p>$(10 + 10) \times 6 \div 2 = 60$</p>	<p>①</p> 
<p>②</p>  <p>だいけい こうしき 台形の公式</p> <p>$(10 + 4) \times 6 \div 2 = 42$</p> <p>さんかつけい さんかつけい 三角形 + 三角形</p> <p>$10 \times 6 \div 2 + 4 \times 6 \div 2$ $= 30 + 12 = 42$</p>	<p>②</p> 
<p>③</p>  <p>がた こうしき たこ形の公式</p> <p>$6 \times 4 \div 2 = 12$</p>	<p>③</p> 
<p>④</p>  <p>さんかつけい こうしき 三角形の公式</p> <p>$2 \sqrt{3} \times 3 \div 2 = 3\sqrt{3}$</p>	<p>④</p> 
<p>⑤</p>  <p>さんかつけい こうしき かいてん 三角形の公式 回転</p> <p>$2 \times 3 \div 2 = 3$</p>	<p>⑤</p> 
<p>⑥</p>  <p>さんかつけい こうしき かいてん 三角形の公式 回転</p> <p>$\sqrt{3} \times 1 \div 2 = \frac{\sqrt{3}}{2}$</p>	<p>⑥</p> 

2. 次の図形の面積 S を求める公式を書きなさい。
Write the formula for the area S of the following figure.

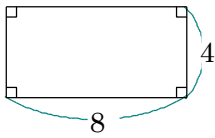
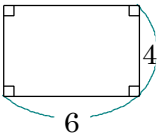
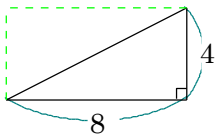
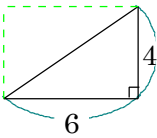
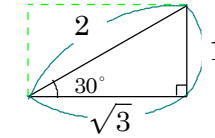
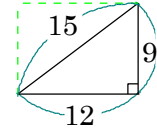
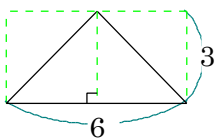
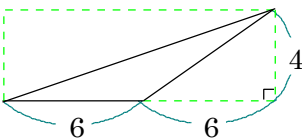
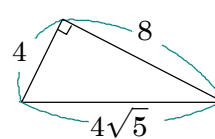
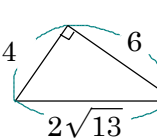
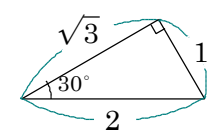
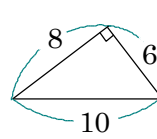
例題	問題
 <p>$S = a \times b \div 2$</p>	

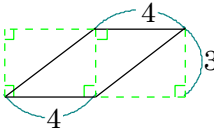
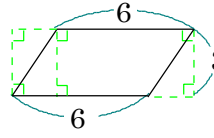
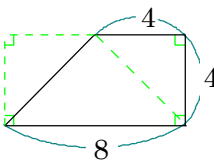
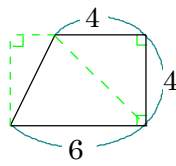
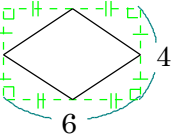
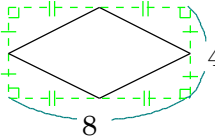
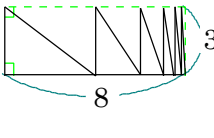
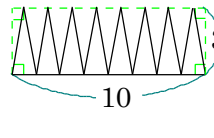
3. 三角形 a と b , 台形 c と d は合同である。この図形を組み合わせる長方形をつくる。次の面積を求めよ。
Triangles a and b and trapezoids c and d are congruent. Combine these shapes to form a rectangle. Find the area of the following figures.

例題	問題
	
<p>①長方形 (図形全体) Rectangle (Entire figure)</p> <p>$(12 + 4) \times 4$ $= 64$</p>	<p>①長方形 (図形全体) (Entire figure)</p>
<p>②三角形 a Triangle</p> <p>$12 \times 3 \div 2$ $= 18$</p>	<p>②三角形 a Triangle</p>
<p>③台形 c Trapezoid</p> <p>$(3 + 4) \times 4 \div 2$ $= 14$</p>	<p>③台形 c Trapezoid</p>

1. 次の図形の面積を求めよ。 Find the area of the following figures.

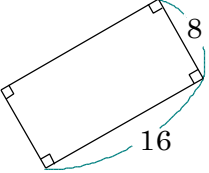
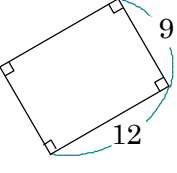
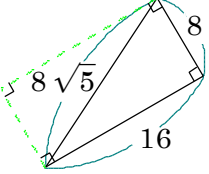
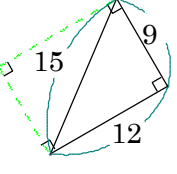
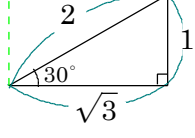
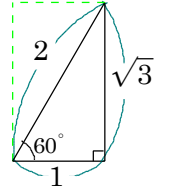
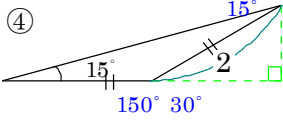
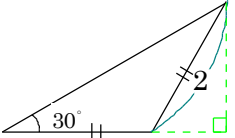
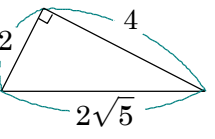
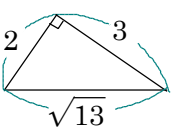
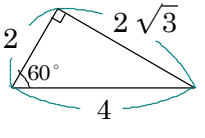
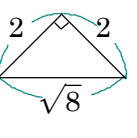
2. 次の図形の面積を求めよ。 Find the area of the following figures.

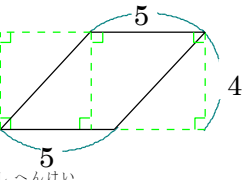
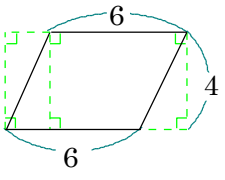
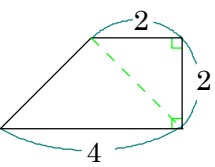
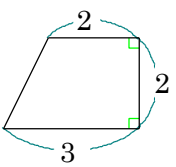
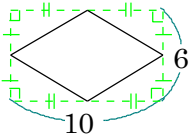
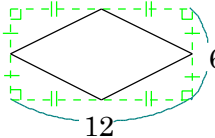
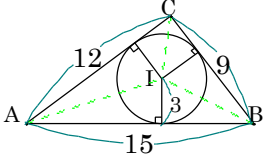
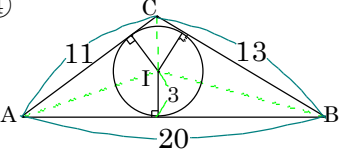
れいだい 例題	もんだい 問題
<div>①</div> <div></div> <div>$8 \times 4 = \underline{32}$</div>	<div>①</div> <div></div> <div>$6 \times 4 = \underline{24}$</div>
<div>②</div> <div></div> <div>$8 \times 4 \div 2 = \underline{16}$</div>	<div>②</div> <div></div> <div>$6 \times 4 \div 2 = \underline{12}$</div>
<div>③</div> <div></div> <div>$\sqrt{3} \times 1 \div 2 = \underline{\frac{\sqrt{3}}{2}}$</div>	<div>③</div> <div></div> <div>$12 \times 9 \div 2 = \underline{54}$</div>
<div>④</div> <div></div> <div>$6 \times 3 \div 2 = \underline{9}$</div>	<div>④</div> <div></div> <div>$6 \times 4 \div 2 = \underline{12}$</div>
<div>⑤</div> <div></div> <div>$8 \times 4 \div 2 = \underline{16}$</div>	<div>⑤</div> <div></div> <div>$2\sqrt{13} \times 4 \div 2 = \underline{4\sqrt{13}}$</div>
<div>⑥</div> <div></div> <div>$2 \times 1 \div 2 = \underline{1}$</div>	<div>⑥</div> <div></div> <div>$10 \times 6 \div 2 = \underline{30}$</div>

れいだい 例題	もんだい 問題
<div>①</div> <div></div> <div><p>へいこうしへんけい 平行四辺形</p>$4 \times 3 = \underline{12}$</div>	<div>①</div> <div></div> <div>$6 \times 3 = \underline{18}$</div>
<div>②</div> <div></div> <div><p>だいきいこうしき 台形の公式</p>$(4+8) \times 4 \div 2 = \underline{24}$</div>	<div>②</div> <div></div> <div>$(4+6) \times 4 \div 2 = \underline{20}$</div>
<div>③</div> <div></div> <div><p>がたこうしき ひし形の公式</p>$4 \times 3 = \underline{12}$</div>	<div>③</div> <div></div> <div>$4 \times 3 = \underline{12}$</div>
<div>④</div> <div></div> <div><p>ちやうてんひだりあつ 頂点を左に集めて</p>$8 \times 3 = \underline{24}$</div>	<div>④</div> <div></div> <div>$10 \times 3 = \underline{30}$</div>

1. 次の図形の面積を求めよ。 Find the area of the following figures.

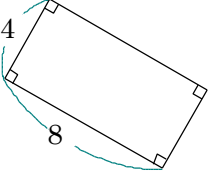
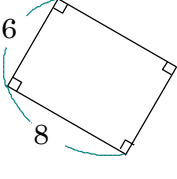
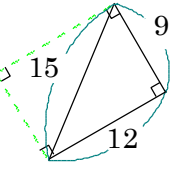
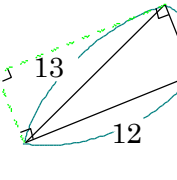
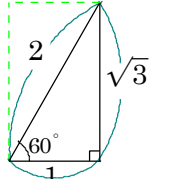
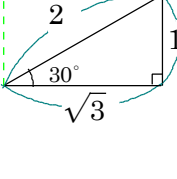
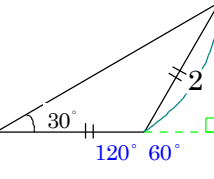
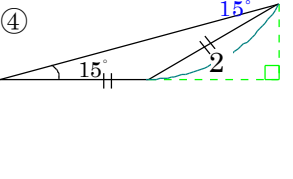
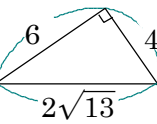
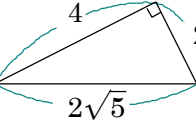
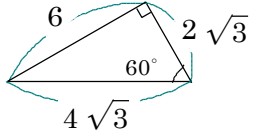
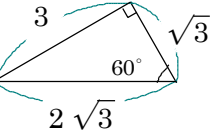
2. 次の図形の面積を求めよ。 Find the area of the following figures.

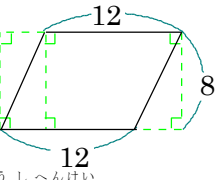
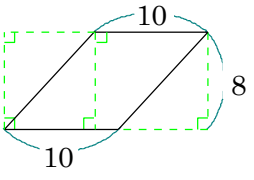
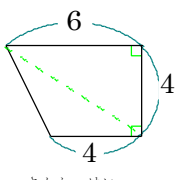
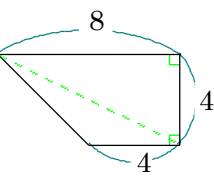
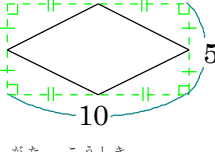
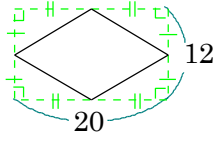
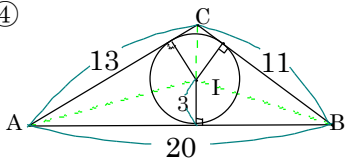
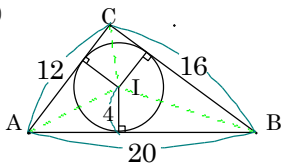
れいだい 例題	もんだい 問題
<p>①</p>  <p>$16 \times 8 = \underline{128}$</p>	<p>①</p> 
<p>②</p>  <p>$16 \times 8 \div 2 = \underline{64}$</p>	<p>②</p> 
<p>③</p>  <p>$\sqrt{3} \times 1 \div 2 = \underline{\frac{\sqrt{3}}{2}}$</p>	<p>③</p> 
<p>④</p>  <p>$2 \times 1 \div 2 = \underline{1}$</p>	<p>④</p> 
<p>⑤</p>  <p>$2 \times 4 \div 2 = \underline{4}$</p>	<p>⑤</p> 
<p>⑥</p>  <p>$2 \times 2\sqrt{3} \div 2 = \underline{2\sqrt{3}}$</p>	<p>⑥</p> 

れいだい 例題	もんだい 問題
<p>①</p>  <p>へいこうしへんけい 平行四辺形 $5 \times 4 = \underline{20}$</p> <p>だいけいこうしき 台形の公式 $(5+5) \times 4 \div 2 = \underline{20}$</p>	<p>①</p> 
<p>②</p>  <p>さんかつけいさんかつけい 三角形+三角形 $4 \times 2 \div 2 + 2 \times 2 \div 2 = 4 + 2 = \underline{6}$</p> <p>だいけいこうしき 台形の公式 $(4+2) \times 2 \div 2 = \underline{6}$</p>	<p>②</p> 
<p>③</p>  <p>がたこうしき ひし形の公式 $10 \times 6 \div 2 = \underline{30}$</p> <p>しかつけいさんかつけい 四角形-三角形×4 $10 \times 6 - (5 \times 3 \div 2) \times 4 = 60 - 30 = \underline{30}$</p>	<p>③</p> 
<p>④</p>  <p>$\triangle ABI \quad 15 \times 3 \div 2 = 22.5$ $\triangle ACI \quad 12 \times 3 \div 2 = 18.0$ $\triangle BCI \quad 9 \times 3 \div 2 = 13.5$ $\triangle ABC \quad 22.5 + 18.0 + 13.5 = \underline{54}$</p>	<p>④</p> 

1. 次の図形の面積を求めよ。 Find the area of the following figures.

2. 次の図形の面積を求めよ。 Find the area of the following figures.

れいだい 例題	もんだい 問題
<p>①</p>  <p>$8 \times 4 = \underline{32}$</p>	<p>①</p>  <p>$8 \times 6 = \underline{24}$</p>
<p>②</p>  <p>$12 \times 9 \div 2 = \underline{54}$</p>	<p>②</p>  <p>$12 \times 5 \div 2 = \underline{30}$</p>
<p>③</p>  <p>$1 \times \sqrt{3} \div 2 = \underline{\frac{\sqrt{3}}{2}}$</p>	<p>③</p>  <p>$1 \times \sqrt{3} \div 2 = \underline{\frac{\sqrt{3}}{2}}$</p>
<p>④</p>  <p>$1 \times \sqrt{3} \div 2 = \underline{\frac{\sqrt{3}}{2}}$</p>	<p>④</p>  <p>$1 \times \sqrt{3} \div 2 = \underline{\frac{\sqrt{3}}{2}}$</p>
<p>⑤</p>  <p>$4 \times 6 \div 2 = \underline{12}$</p>	<p>⑤</p>  <p>$4 \times 2 \div 2 = \underline{4}$</p>
<p>⑥</p>  <p>$2\sqrt{3} \times 6 \div 2 = \underline{6\sqrt{3}}$</p>	<p>⑥</p>  <p>$3 \times \sqrt{3} \div 2 = \underline{\frac{3\sqrt{3}}{2}}$</p>

れいだい 例題	もんだい 問題
<p>①</p>  <p>へいこうしへんけい 平行四辺形</p> <p>$12 \times 8 = \underline{96}$</p>	<p>①</p>  <p>$10 \times 8 = \underline{80}$</p>
<p>②</p>  <p>さんかくけいさんかくけい 三角形+三角形</p> <p>$4 \times 4 \div 2 + 6 \times 4 \div 2 = 8 + 12 = \underline{20}$</p>	<p>②</p>  <p>$(8+4) \times 4 \div 2 = \underline{24}$</p>
<p>③</p>  <p>がたこうしき ひし形の公式</p> <p>$10 \times 5 \div 2 = \underline{25}$</p>	<p>③</p>  <p>$20 \times 12 \div 2 = \underline{120}$</p>
<p>④</p>  <p>$\triangle ABI \quad 20 \times 3 \div 2 = 30.0$ $\triangle ACI \quad 13 \times 3 \div 2 = 19.5$ $\triangle BCI \quad 11 \times 3 \div 2 = 16.5$ $\triangle ABC \quad 30.0 + 19.5 + 16.5 = \underline{66}$</p>	<p>④</p>  <p>$\triangle ABI \quad 20 \times 3 \div 2 = 30.0$ $\triangle ACI \quad 13 \times 3 \div 2 = 19.5$ $\triangle BCI \quad 11 \times 3 \div 2 = 16.5$ $\triangle ABC \quad 30.0 + 19.5 + 16.5 = \underline{66}$</p>