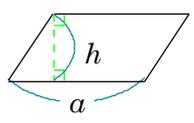
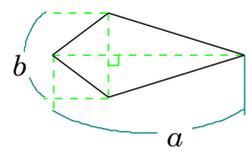
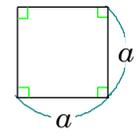


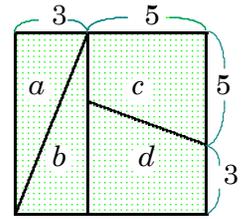
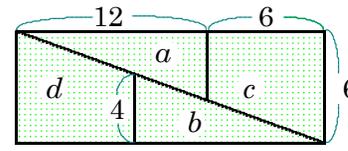
# 基礎数学 図形の面積 課題

( )年( )組( )番( )

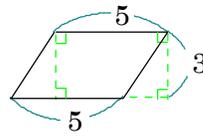
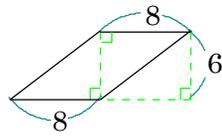
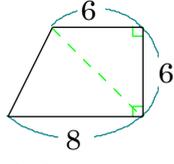
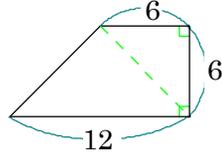
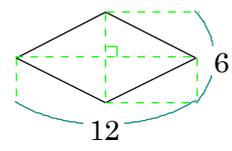
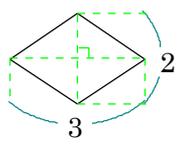
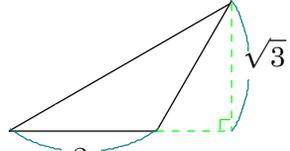
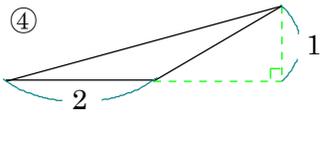
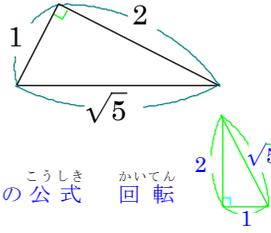
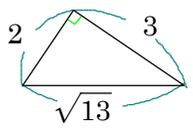
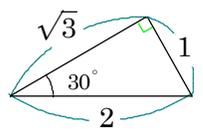
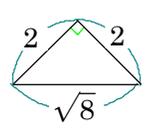
1. 面積  $S$  を求める公式に対応する図形を書きなさい。  
Draw a figure that satisfies the formula for area  $S$ .

例題	問題
<p>① <math>S = a \times h</math></p> <p>底辺 <math>a</math>, 高さ <math>h</math> Base Altitude</p>  <p>※ 平行四辺形 Parallelogram</p>	<p>① <math>S = a \times b</math></p> <p>縦 <math>a</math>, 横 <math>b</math> Height Width</p>
<p>② <math>S = a \times b \div 2</math></p> <p>対角線 <math>a, b</math> Diagonal line</p>  <p>※ たこ形 Kite</p>	<p>② <math>S = a \times h \div 2</math></p> <p>底辺 <math>a</math>, 高さ <math>h</math> Base Altitude</p>
<p>③ <math>S = a^2</math></p> <p>縦 <math>a</math>, 横 <math>a</math> Side Side</p>  <p>※ 正方形 Square</p>	<p>③ <math>S = (a + b) \times h \div 2</math></p> <p>上底 <math>a</math>, 下底 <math>b</math>, 高さ <math>h</math> 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><math>(3+5) \times (3+5)</math></p> <p><math>= 64</math></p>	<p>① 長方形 (図形全体)</p>
<p>② 三角形 <math>a</math> Triangle</p> <p><math>3 \times (3+5) \div 2</math></p> <p><math>= 12</math></p>	<p>② 三角形 <math>a</math></p>
<p>③ 台形 <math>c</math> Trapezoid</p> <p><math>(3+5) \times 5 \div 2</math></p> <p><math>= 20</math></p>	<p>③ 台形 <math>c</math></p>

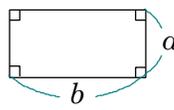
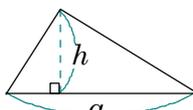
3. 次の図形の面積を求めよ。 Find the area of the following figures.

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

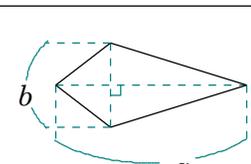
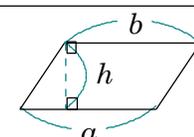
# 基礎数学 図形の面積 2 課題

( )年( )組( )番( )

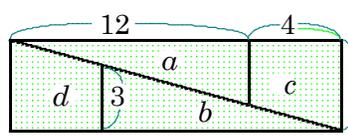
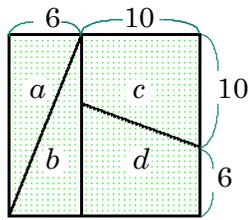
1. 面積  $S$  を求める公式に対応する図形を書きなさい。  
Draw a figure that satisfies the formula for area  $S$ .

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

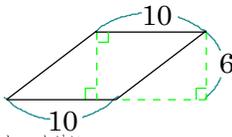
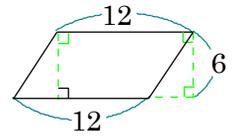
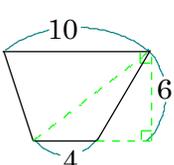
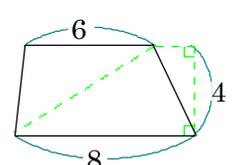
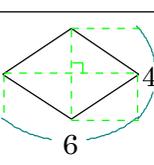
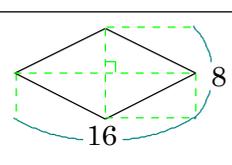
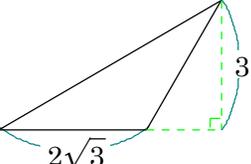
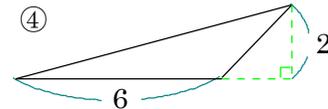
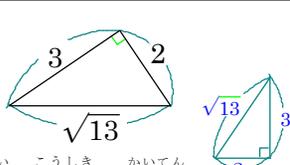
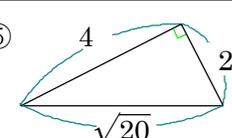
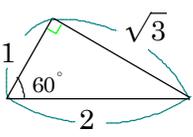
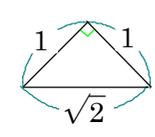
2. 次の図形の面積  $S$  を求める公式を書きなさい。  
Write the formula for the area  $S$  of the following figure.

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

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

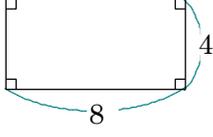
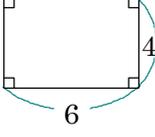
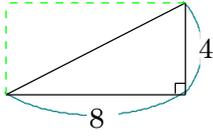
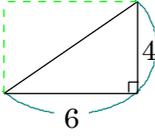
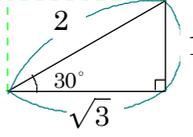
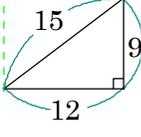
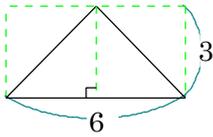
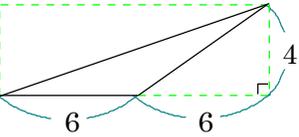
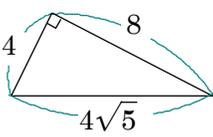
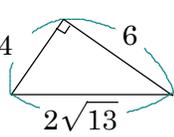
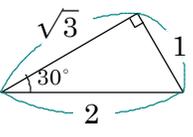
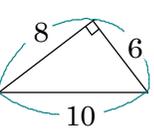
例題	問題
<p>①</p>  <p>へいこうしへんけい 平行四辺形</p> <p><math>10 \times 6 = 60</math></p> <p>だいけい こうしき 台形の公式</p> <p><math>(10+10) \times 6 \div 2 = 60</math></p>	<p>①</p> 
<p>②</p>  <p>だいけい こうしき 台形の公式</p> <p><math>(10+4) \times 6 \div 2 = 42</math></p> <p>さんかっけい さんかっけい 三角形+三角形</p> <p><math>10 \times 6 \div 2 + 4 \times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

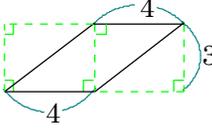
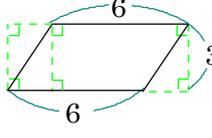
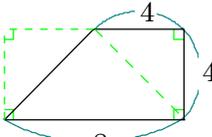
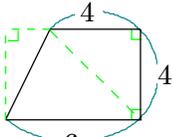
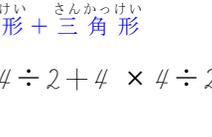
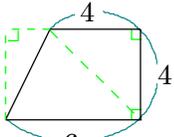
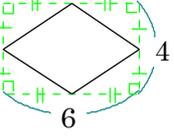
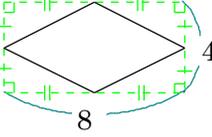
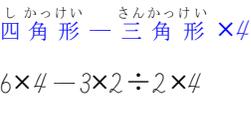
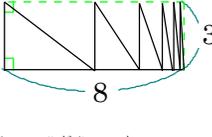
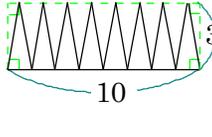
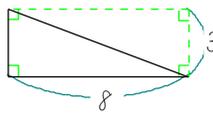
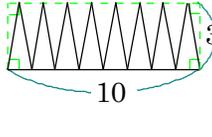
基礎数学 図形の面積 3 課題

( )年( )組( )番( )

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
①  $8 \times 4 = \underline{32}$	① 
②  $8 \times 4 \div 2 = \underline{16}$	② 
③  $\sqrt{3} \times 1 \div 2 = \underline{\frac{\sqrt{3}}{2}}$	③ 
④  $6 \times 3 \div 2 = \underline{9}$	④ 
⑤  $8 \times 4 \div 2 = \underline{16}$	⑤ 
⑥  $\sqrt{3} \times 1 \div 2 = \underline{\frac{\sqrt{3}}{2}}$	⑥ 

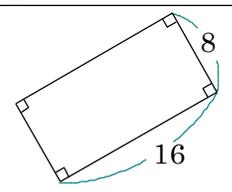
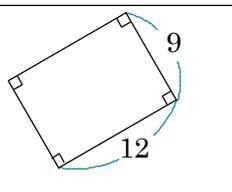
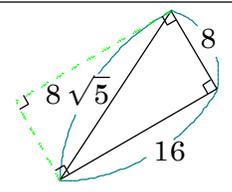
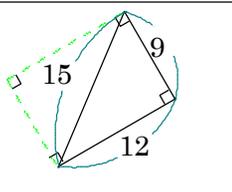
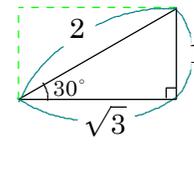
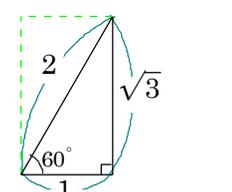
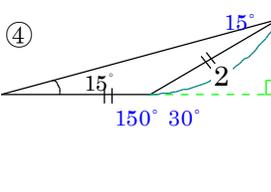
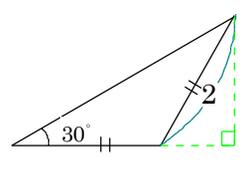
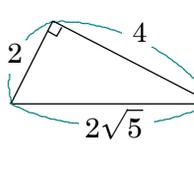
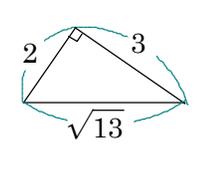
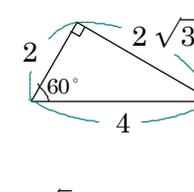
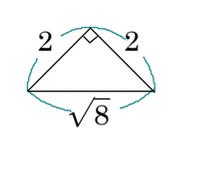
れいだい 例題	もんだい 問題
①  へいこうしへんけい 平行四辺形 $4 \times 3 = \underline{12}$	① 
②  だいきけい こうしき 台形の公式 $(4+4) \times 3 \div 2 = \underline{12}$	② 
③  さんかっけいさんかっけい 三角形+三角形 $8 \times 4 \div 2 + 4 \times 4 \div 2 = 16 + 8 = \underline{24}$	③ 
④  がた こうしき ひし形の公式 $6 \times 4 \div 2 = \underline{12}$	③ 
⑤  しかっけいさんかっけい 四角形-三角形*4 $6 \times 4 - 3 \times 2 \div 2 \times 4 = 24 - 12 = \underline{12}$	④ 
⑥  ちやうてん ひだり あつ 頂点を左に集めて  $8 \times 3 \div 2 = \underline{12}$	④ 

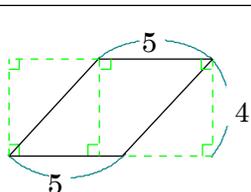
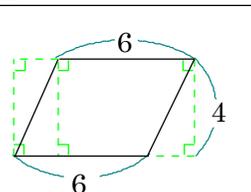
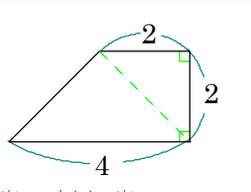
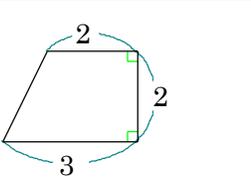
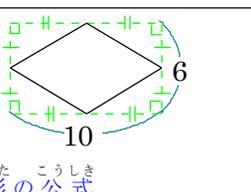
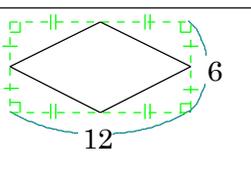
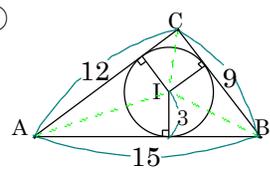
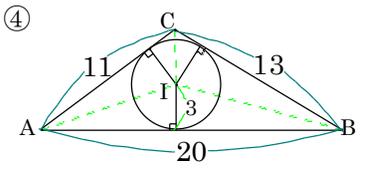
基礎数学 図形の面積 4 課題

( )年( )組( )番( )

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
①  $16 \times 8 = \underline{128}$	① 
②  $16 \times 8 \div 2 = \underline{64}$	② 
③  $\sqrt{3} \times 1 \div 2 = \underline{\frac{\sqrt{3}}{2}}$	③ 
④  $2 \times 1 \div 2 = \underline{1}$	④ 
⑤  $2 \times 4 \div 2 = \underline{4}$	⑤ 
⑥  $2 \times 2\sqrt{3} \div 2 = \underline{2\sqrt{3}}$	⑥ 

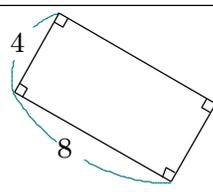
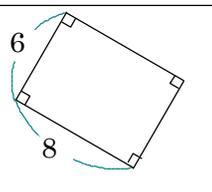
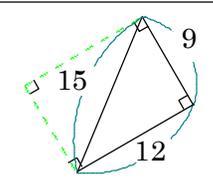
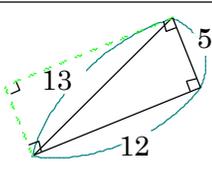
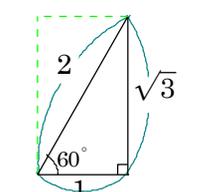
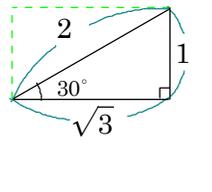
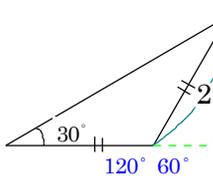
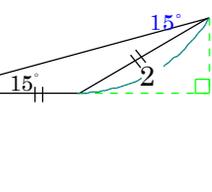
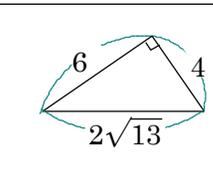
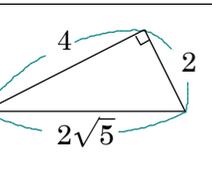
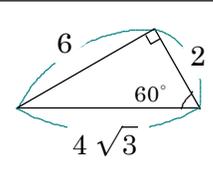
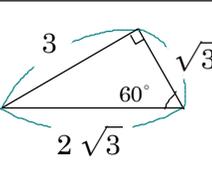
れいだい 例題	もんだい 問題
①  へいこうしへんけい 平行四辺形 $5 \times 4 = \underline{20}$ だいけいこうしき 台形の公式 $(5+5) \times 4 \div 2 = \underline{20}$	① 
②  さんかっけいさんかっけい 三角形+三角形 $4 \times 2 \div 2 + 2 \times 2 \div 2 = 4 + 2 = \underline{6}$ だいけいこうしき 台形の公式 $(4+2) \times 2 \div 2 = \underline{6}$	② 
③  がたこうしき ひし形の公式 $10 \times 6 \div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

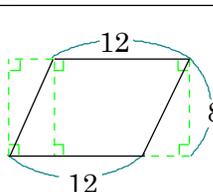
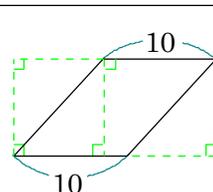
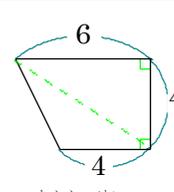
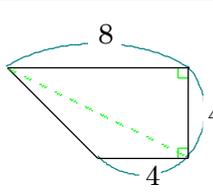
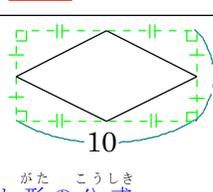
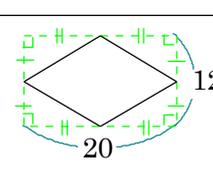
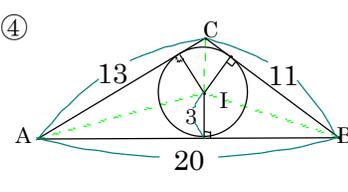
基礎数学 図形の面積 5 課題

( )年( )組( )番( )

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
①  $8 \times 4 = \underline{32}$	① 
②  $12 \times 9 \div 2 = \underline{54}$	② 
③  $1 \times \sqrt{3} \div 2 = \underline{\frac{\sqrt{3}}{2}}$	③ 
④  $1 \times \sqrt{3} \div 2 = \underline{\frac{\sqrt{3}}{2}}$	④ 
⑤  $4 \times 6 \div 2 = \underline{12}$	⑤ 
⑥  $2\sqrt{3} \times 6 \div 2 = \underline{6\sqrt{3}}$	⑥ 

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