

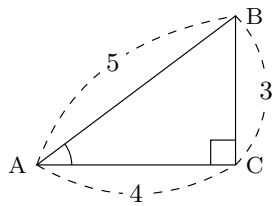
氏名 \_\_\_\_\_

サイン コサイン タンジェント  
sin, cos, tan

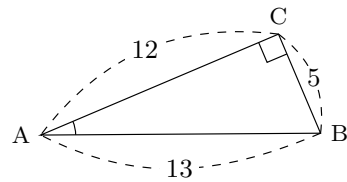
$\bullet \sin A = \frac{\text{縦}}{\text{斜め}}$ 
 $\bullet \cos A = \frac{\text{横}}{\text{斜め}}$ 
 $\bullet \tan A = \frac{\text{縦}}{\text{横}}$

1 次の直角三角形 ABC で、 $\sin A$ ,  $\cos A$ ,  $\tan A$  の値を求めなさい。

(1)



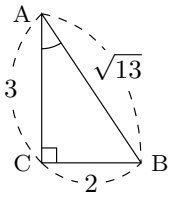
(2)



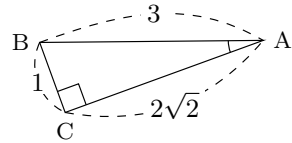
$\sin A = \square$ ,  $\cos A = \square$ ,  
 $\tan A = \square$

$\sin A = \square$ ,  $\cos A = \square$ ,  
 $\tan A = \square$

(3)



(4)

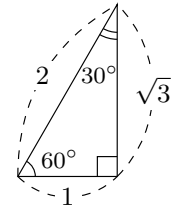
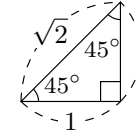
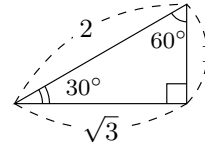


$\sin A = \square$ ,  $\cos A = \square$ ,  
 $\tan A = \square$

$\sin A = \square$ ,  $\cos A = \square$ ,  
 $\tan A = \square$

2 次の直角三角形を用いて  $30^\circ$ ,  $45^\circ$ ,  $60^\circ$  の  $\sin$ ,  $\cos$ ,  $\tan$  の値を求めなさい。

※注  $30^\circ$ ,  $45^\circ$ ,  $60^\circ$  については三角比の表を使ってはいけない



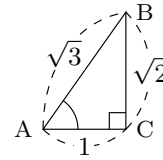
$\sin 30^\circ = \square$   
 $\cos 30^\circ = \square$   
 $\tan 30^\circ = \square$

$\sin 45^\circ = \square$   
 $\cos 45^\circ = \square$   
 $\tan 45^\circ = \square$

$\sin 60^\circ = \square$   
 $\cos 60^\circ = \square$   
 $\tan 60^\circ = \square$

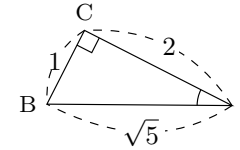
3 次の直角三角形 ABC で、 $\sin A$ ,  $\cos A$ ,  $\tan A$  の値を求めなさい。

(1)



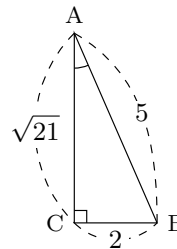
$\sin A = \square$   
 $\cos A = \square$   
 $\tan A = \square$

(2)



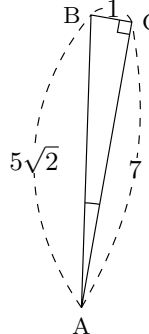
$\sin A = \square$   
 $\cos A = \square$   
 $\tan A = \square$

(3)



$\sin A = \square$   
 $\cos A = \square$   
 $\tan A = \square$

(4)



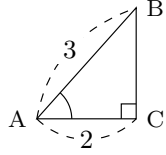
$\sin A = \square$   
 $\cos A = \square$   
 $\tan A = \square$

- 三平方の定理

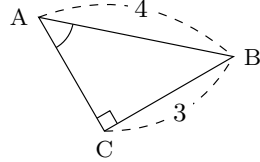
$$\text{斜め}^2 = \square^2 + \triangle^2$$

4 次の直角三角形 ABC で、 $\sin A$ ,  $\cos A$ ,  $\tan A$  の値を求めなさい。

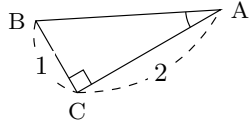
(1)



(2)

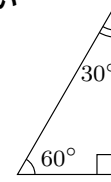
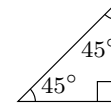
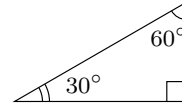


(3)



5 次の直角三角形を用いて  $30^\circ$ ,  $45^\circ$ ,  $60^\circ$  の  $\sin$ ,  $\cos$ ,  $\tan$  の値を求めなさい。

※注  $30^\circ$ ,  $45^\circ$ ,  $60^\circ$  については三角比の表を使ってはいけない



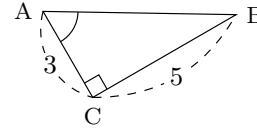
$$\begin{aligned} \sin 30^\circ &= \square \\ \cos 30^\circ &= \square \\ \tan 30^\circ &= \square \end{aligned}$$

$$\begin{aligned} \sin 45^\circ &= \square \\ \cos 45^\circ &= \square \\ \tan 45^\circ &= \square \end{aligned}$$

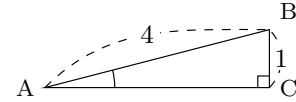
$$\begin{aligned} \sin 60^\circ &= \square \\ \cos 60^\circ &= \square \\ \tan 60^\circ &= \square \end{aligned}$$

6 次の直角三角形 ABC で、 $\sin A$ ,  $\cos A$ ,  $\tan A$  の値を求めなさい。

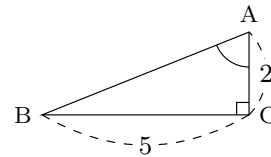
(1)



(2)



(3)



(4)

