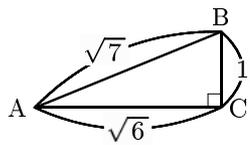


数学 I 三角比演習②

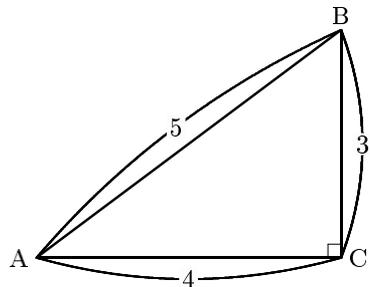
1. 次の直角三角形において、三角比の値を求めよ。

(1)



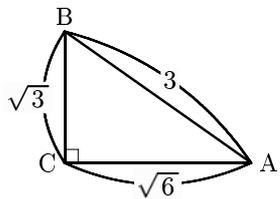
$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(2)



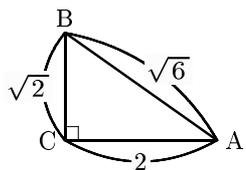
$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(3)



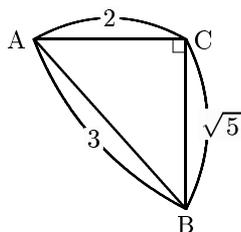
$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(4)



$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

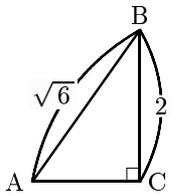
(5)



$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

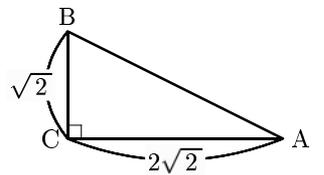
1年 組 番 氏名 _____

(6)



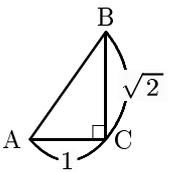
$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(7)



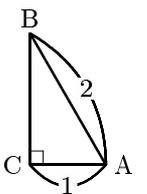
$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(8)



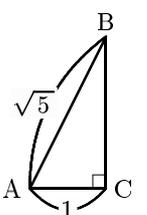
$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(9)



$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(10)



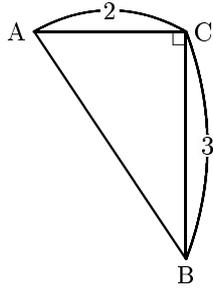
$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

数学 I 三角比関連の演習④

1年 組 番 氏名 _____

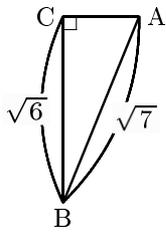
1. 次の直角三角形において、残りの辺の長さを求めよ。

(1)



答 _____

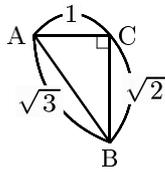
(2)



答 _____

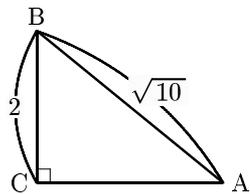
2. 次の直角三角形において、三角比の値を求めよ。

(1)



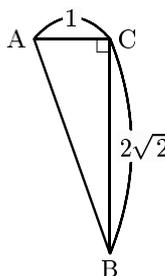
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(2)



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

(3)



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

3. 三角比の表を見て、次の三角比の値を求めよ。

(1) $\tan 13^\circ$

答 _____

(2) $\cos 79^\circ$

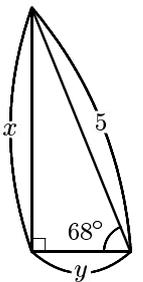
答 _____

(3) $\sin 68^\circ$

答 _____

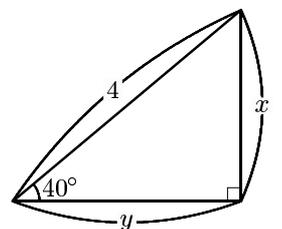
4. 次の図における x と y の値を、小数第2位を四捨五入して求めよ。

(1)



答 $x =$ _____, $y =$ _____

(2)



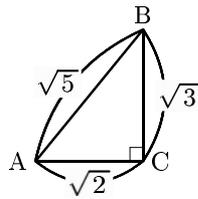
答 $x =$ _____, $y =$ _____

数学 I 三角比関連の演習⑤

1年 組 番 氏名 _____

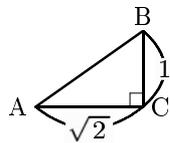
1. 次の直角三角形において、三角比の値を求めよ。

(1)



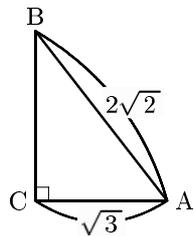
$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(2)



$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(3)



$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

2. 三角比の表を見て、次の三角比の値を求めよ。

(1) $\tan 15^\circ$

答 _____

(2) $\tan 88^\circ$

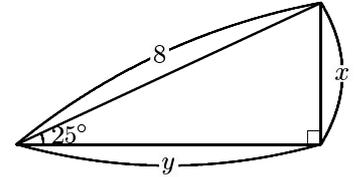
答 _____

(3) $\tan 43^\circ$

答 _____

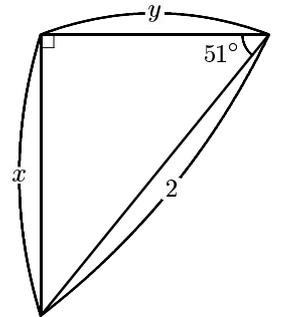
3. 次の図における x と y の値を、小数第 2 位を四捨五入して求めよ。

(1)



答 $x = \underline{\hspace{2cm}}, y = \underline{\hspace{2cm}}$

(2)



答 $x = \underline{\hspace{2cm}}, y = \underline{\hspace{2cm}}$

4. $\triangle ABC$ について、次の問いに答えよ。

(1) $\sin A = \frac{\sqrt{5}}{3}$ のとき、 $\cos A$ 、 $\tan A$ の値を求めよ。

答 $\cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(2) $\sin A = \frac{\sqrt{7}}{5}$ のとき、 $\cos A$ 、 $\tan A$ の値を求めよ。

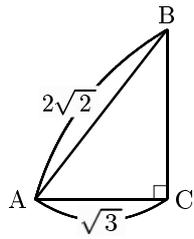
答 $\cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

数学 I 鈍角の三角比⑥

1年 組 番 氏名 _____

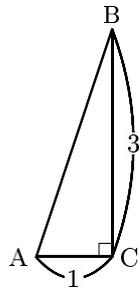
1. 次の直角三角形において、三角比の値を求めよ。

(1)



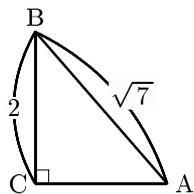
$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(2)



$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

(3)



$\sin A = \underline{\hspace{2cm}}, \cos A = \underline{\hspace{2cm}}, \tan A = \underline{\hspace{2cm}}$

2. $\triangle ABC$ について、次の問いに答えよ。

(1) $\tan \theta = \frac{3}{4}$ のとき、 $\sin \theta$ 、 $\cos \theta$ の値を求めよ。 $(0^\circ \leq \theta \leq 90^\circ)$

答 $\sin \theta = \underline{\hspace{2cm}}, \cos \theta = \underline{\hspace{2cm}}$

(2) θ が鈍角で、 $\cos \theta = -\frac{2}{3}$ のとき、 $\sin \theta$ 、 $\tan \theta$ の値を求めよ。

答 $\sin \theta = \underline{\hspace{2cm}}, \tan \theta = \underline{\hspace{2cm}}$

(3) $\cos \theta = \frac{\sqrt{7}}{4}$ のとき、 $\sin \theta$ 、 $\tan \theta$ の値を求めよ。 $(0^\circ \leq \theta \leq 180^\circ)$

答 $\sin \theta = \underline{\hspace{2cm}}, \tan \theta = \underline{\hspace{2cm}}$

3. 次の三角比の値を求めよ。

(1) $\cos 135^\circ$

答 _____

(2) $\sin 45^\circ$

答 _____

(3) $\sin 120^\circ$

答 _____

(4) $\sin 135^\circ$

答 _____

(5) $\tan 0^\circ$

答 _____

(6) $\tan 150^\circ$

答 _____

(7) $\cos 60^\circ$

答 _____

(8) $\cos 90^\circ$

答 _____

(9) $\tan 45^\circ$

答 _____

(10) $\cos 150^\circ$

答 _____