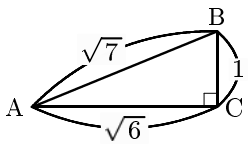
数学Ⅰ　三角比演習②

1年　　組　　番　氏名 _____

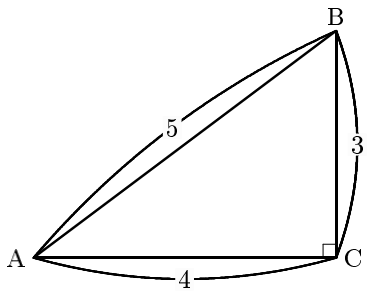
1. 次の直角三角形において、三角比の値を求めよ。

(1)



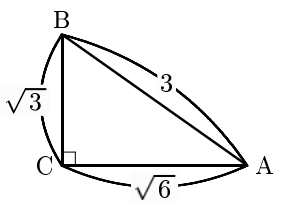
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(2)



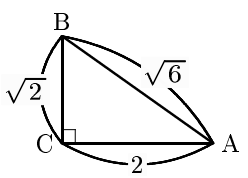
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(3)



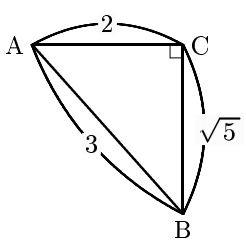
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(4)



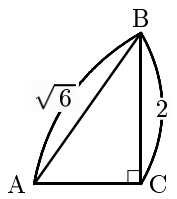
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(5)



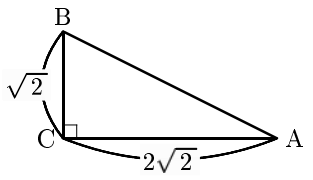
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(6)



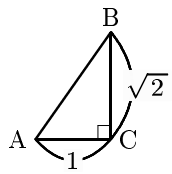
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(7)



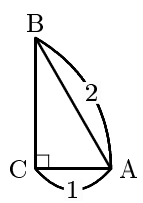
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(8)



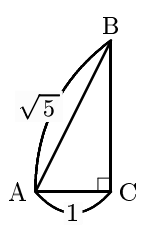
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(9)



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

(10)



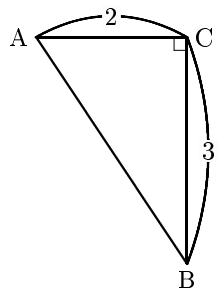
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

数学Ⅰ　三角比関連の演習④

1年　　組　　番　氏名 _____

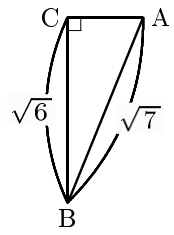
1. 次の直角三角形において、残りの辺の長さを求めよ。

(1)



答 _____

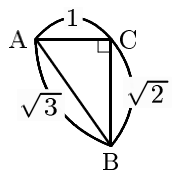
(2)



答 _____

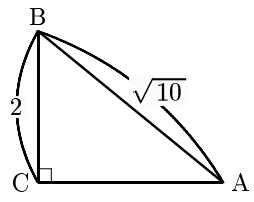
2. 次の直角三角形において、三角比の値を求めよ。

(1)



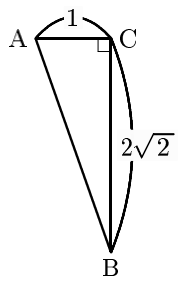
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(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) $\tan 13°$

答 _____

(2) $\cos 79°$

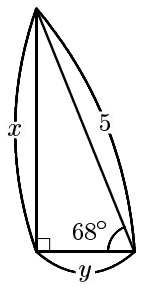
答 _____

(3) $\sin 68°$

答 _____

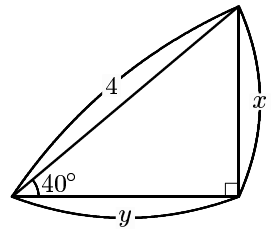
4. 次の図における x と y の値を、小数第2位を四捨五入して求めよ。

(1)



答 $x=$_____, $y=$_____

(2)



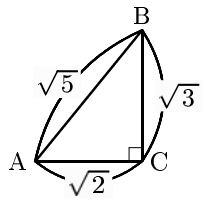
答 $x=$_____, $y=$_____

数学Ⅰ　三角比関連の演習⑤

1年　　組　　番　氏名 _____

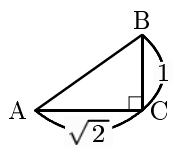
1. 次の直角三角形において、三角比の値を求めよ。

(1)



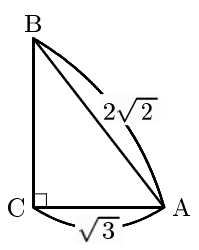
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(2)



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

(3)



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

2. 三角比の表を見て、次の三角比の値を求めよ。

(1) $\tan 15°$

答 _____

(2) $\tan 88°$

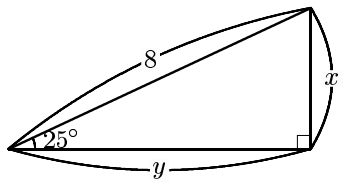
答 _____

(3) $\tan 43°$

答 _____

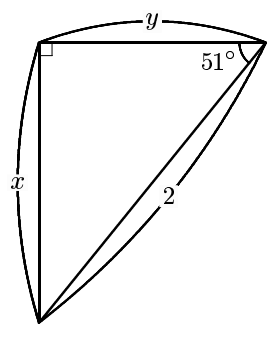
3. 次の図における x と y の値を、小数第2位を四捨五入して求めよ。

(1)



答 $x=$_____, $y=$_____

(2)



答 $x=$_____, $y=$_____

4. △ABC について、次の問いに答えよ。

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

答 $\cos A=$_____, $\tan A=$_____

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

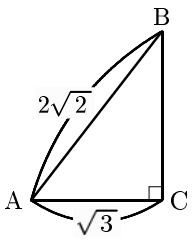
答 $\cos A=$_____, $\tan A=$_____

数学Ⅰ　鈍角の三角比⑥

1年　　組　　番　氏名 _____

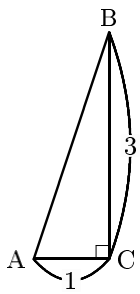
1. 次の直角三角形において、三角比の値を求めよ。

(1)



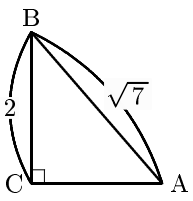
$\sin A =$ _____, $\cos A =$ _____, $\tan A =$ _____

(2)



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

(3)



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

2. △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。$(0° \leqq \theta \leqq 90°)$

答 $\sin\theta =$ _____, $\cos\theta =$ _____

(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 $\sin\theta =$ _____, $\tan\theta =$ _____

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

答 $\sin\theta =$ _____, $\tan\theta =$ _____

3. 次の三角比の値を求めよ。

(1) $\cos 135°$

答 _____

(2) $\sin 45°$

答 _____

(3) $\sin 120°$

答 _____

(4) $\sin 135°$

答 _____

(5) $\tan 0°$

答 _____

(6) $\tan 150°$

答 _____

(7) $\cos 60°$

答 _____

(8) $\cos 90°$

答 _____

(9) $\tan 45°$

答 _____

(10) $\cos 150°$

答 _____