

氏名 _____

サイン コサイン タンジェント
sin, cos, tan

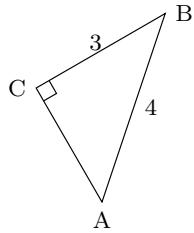
- $\sin A = \frac{\text{縦}}{\text{斜め}}$
- $\cos A = \frac{\text{横}}{\text{斜め}}$
- $\tan A = \frac{\text{縦}}{\text{横}}$

- 三平方の定理

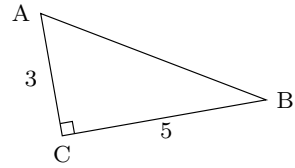
$$\text{斜め}^2 = \text{〇}^2 + \text{△}^2$$

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

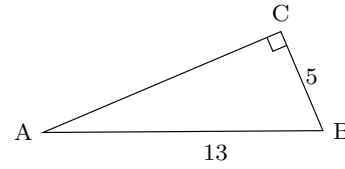
(1)



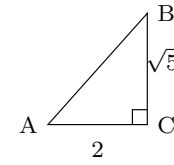
(2)



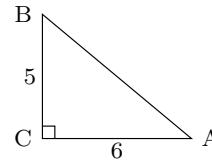
(3)



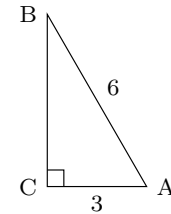
(4)



(5)



(6)



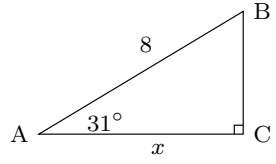
2 三角比の表を使って, 次の値を調べなさい。

- | | | | |
|---------------------|---------------------|---------------------|---------------------|
| (1) $\sin 2^\circ$ | (2) $\sin 61^\circ$ | (3) $\cos 88^\circ$ | (4) $\cos 35^\circ$ |
| (5) $\cos 17^\circ$ | (6) $\cos 31^\circ$ | (7) $\sin 59^\circ$ | (8) $\sin 73^\circ$ |

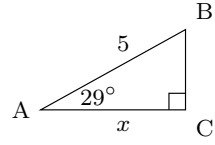
3 次の直角三角形において、 x の値をそれぞれ計算しなさい。

(小数第二位を四捨五入して、小数第一位まで求めなさい)

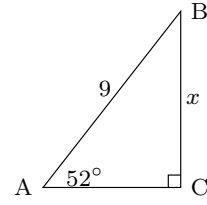
(1)



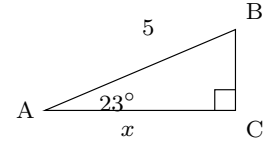
(2)



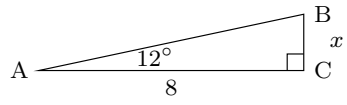
(5)



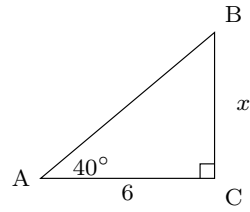
(6)



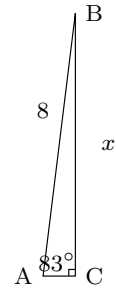
(3)



(4)



(7)



(8)

