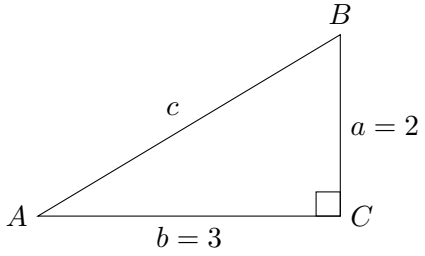
Basic exercises on Trigonometry

1. $\triangle ABC$ is a right triangle with $C = 90°$.

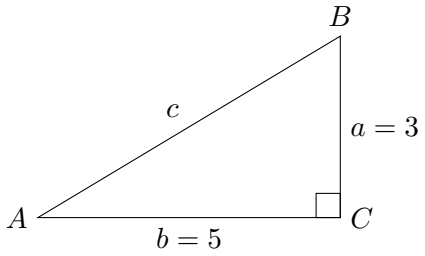


(a) Find $\tan A$ and $\cos B$.

(b) Find $\sin B$ and $\tan B$.

(c) Find $\cos A$ and $\sin B$.

2. $\triangle ABC$ is a right triangle with $C = 90°$.

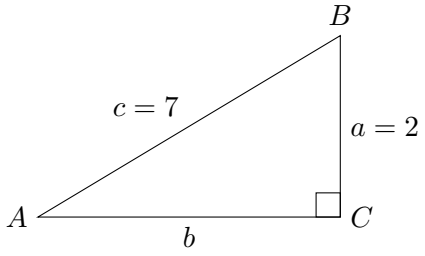


(a) Find $\tan A$ and $\cos B$.

(b) Find $\sin B$ and $\tan B$.

(c) Find $\cos A$ and $\sin B$.

3. $\triangle ABC$ is a right triangle with $C = 90°$.

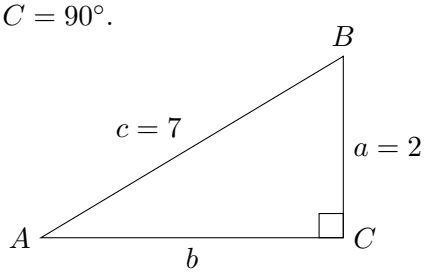


(a) Find $\tan A$ and $\cos B$.

(b) Find $\sin B$ and $\tan B$.

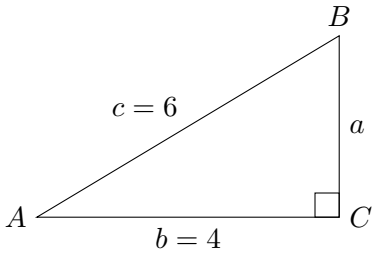
(c) Find $\cos A$ and $\sin B$.

(d) $\triangle ABC$ is a right triangle with $C = 90°$.



(a) Find $\tan A$ and $\cos B$.
(b) Find $\sin B$ and $\tan B$.
(c) Find $\cos A$ and $\sin B$.

4. $\triangle ABC$ is a right triangle with $C = 90°$.



(a) Find $\tan A$ and $\cos B$.
(b) Find $\sin B$ and $\tan B$.
(c) Find $\cos A$ and $\sin B$.

5. $\triangle ABC$ is a right triangle with $C = 90°$. If $\tan A = \dfrac{2}{5}$ and $a = 2$, find c.

6. $\triangle ABC$ is a right triangle with $C = 90°$. If $\tan A = \dfrac{2}{5}$ and $a = 2$, find c and b.

7. $\triangle ABC$ is a right triangle with $C = 90°$. If $\sin A = \dfrac{2}{5}$ and $a = 2$, find c and b.

8. $\triangle ABC$ is a right triangle with $C = 90°$. If $\cos A = \dfrac{5}{6}$ and $b = 3$, find c and a.

9. $\triangle ABC$ is a right triangle with $C = 90°$. If $\tan A = \dfrac{5}{6}$ and $c = 2$, find a and b.

10. $\triangle ABC$ is a right triangle with $C = 90°$. If $\tan A = \dfrac{3}{2}$ and $c = 2$, find a and b.

11. $\triangle ABC$ is a right triangle with $C = 90°$. If $\tan A = \dfrac{5}{6}$ and $c = 2$, find a and b.