



## Trigonometry - Quadrant Sign - One Trig Ratio and Sign to Angle (Radians)

1 What angle would have a trig ratio with this sign?

$$\tan(\gamma) \rightarrow \text{negative}$$

A  $\gamma = \frac{5\pi}{6} \text{ rad}$

B  $\gamma = \frac{7\pi}{6} \text{ rad}$

2 What angle would have a trig ratio with this sign?

$$\csc(\alpha) \rightarrow \text{positive}$$

A  $\alpha = \frac{5\pi}{6} \text{ rad}$

B  $\alpha = \frac{4\pi}{3} \text{ rad}$

3 What angle would have a trig ratio with this sign?

$$\tan(\beta) \rightarrow \text{negative}$$

A  $\beta = \frac{\pi}{6} \text{ rad}$

B  $\beta = \frac{2\pi}{3} \text{ rad}$

4 What angle would have a trig ratio with this sign?

$$\csc(\beta) \rightarrow \text{negative}$$

A  $\beta = \frac{\pi}{3} \text{ rad}$

B  $\beta = \frac{7\pi}{6} \text{ rad}$

5 What angle would have a trig ratio with this sign?

$$\csc(\theta) \rightarrow \text{negative}$$

A  $\theta = \frac{\pi}{6} \text{ rad}$

B  $\theta = \frac{5\pi}{4} \text{ rad}$

6 What angle would have a trig ratio with this sign?

$$\sin(\beta) \rightarrow \text{positive}$$

A  $\beta = \frac{7\pi}{6} \text{ rad}$

B  $\beta = \frac{\pi}{3} \text{ rad}$

7 What angle would have a trig ratio with this sign?

$$\sin(\gamma) \rightarrow \text{positive}$$

A  $\gamma = \frac{7\pi}{6} \text{ rad}$

B  $\gamma = \frac{5\pi}{6} \text{ rad}$

8 What angle would have a trig ratio with this sign?

$$\sec(\gamma) \rightarrow \text{positive}$$

A  $\gamma = \frac{7\pi}{6} \text{ rad}$

B  $\gamma = \frac{\pi}{4} \text{ rad}$