



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

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

$\sec(\beta) \rightarrow$  positive

A  $\beta = 210^\circ$  B  $\beta = 60^\circ$

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

$\sec(\beta) \rightarrow$  negative

A  $\beta = 330^\circ$  B  $\beta = 150^\circ$

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

$\sin(\gamma) \rightarrow$  negative

A  $\gamma = 225^\circ$  B  $\gamma = 135^\circ$

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

$\cos(\alpha) \rightarrow$  positive

A  $\alpha = 45^\circ$  B  $\alpha = 135^\circ$

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

$\tan(\beta) \rightarrow$  negative

A  $\beta = 210^\circ$  B  $\beta = 120^\circ$

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

$\tan(\gamma) \rightarrow$  positive

A  $\gamma = 225^\circ$  B  $\gamma = 330^\circ$

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

$\csc(\gamma) \rightarrow$  negative

A  $\gamma = 30^\circ$  B  $\gamma = 330^\circ$

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

$\csc(\beta) \rightarrow$  negative

A  $\beta = 240^\circ$  B  $\beta = 120^\circ$