



Trigonometry - Quadrant Sign - Two Trig Ratios and Signs to Angle (Degrees)

1

Which angle would have trig ratios with these signs?

 $\sec(\gamma) \rightarrow$ negative $\sin(\gamma) \rightarrow$ positive

A $\gamma = 300^\circ$

B $\gamma = 150^\circ$

2

Which angle would have trig ratios with these signs?

 $\tan(\alpha) \rightarrow$ positive $\cos(\alpha) \rightarrow$ negative

A $\alpha = 60^\circ$

B $\alpha = 210^\circ$

3

Which angle would have trig ratios with these signs?

 $\cos(\beta) \rightarrow$ positive $\sin(\beta) \rightarrow$ positive

A $\beta = 210^\circ$

B $\beta = 30^\circ$

4

Which angle would have trig ratios with these signs?

 $\csc(\gamma) \rightarrow$ positive $\cos(\gamma) \rightarrow$ negative

A $\gamma = 240^\circ$

B $\gamma = 120^\circ$

5

Which angle would have trig ratios with these signs?

 $\sec(\theta) \rightarrow$ negative $\cot(\theta) \rightarrow$ negative

A $\theta = 135^\circ$

B $\theta = 330^\circ$

6

Which angle would have trig ratios with these signs?

 $\sec(\alpha) \rightarrow$ positive $\sin(\alpha) \rightarrow$ negative

A $\alpha = 60^\circ$

B $\alpha = 330^\circ$

7

Which angle would have trig ratios with these signs?

 $\sec(\alpha) \rightarrow$ negative $\tan(\alpha) \rightarrow$ positive

A $\alpha = 30^\circ$

B $\alpha = 225^\circ$

8

Which angle would have trig ratios with these signs?

 $\cot(\alpha) \rightarrow$ positive $\sec(\alpha) \rightarrow$ negative

A $\alpha = 225^\circ$

B $\alpha = 315^\circ$