



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

1

Which angle would have trig ratios with these signs?

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

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

2

Which angle would have trig ratios with these signs?

$\sin(\alpha) \rightarrow$ positive
 $\tan(\alpha) \rightarrow$ positive

A	B
$\alpha = \frac{\pi}{3} \text{ rad}$	$\alpha = \frac{5\pi}{3} \text{ rad}$

3

Which angle would have trig ratios with these signs?

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

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

4

Which angle would have trig ratios with these signs?

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

A	B
$\gamma = \frac{7\pi}{4} \text{ rad}$	$\gamma = \frac{5\pi}{4} \text{ rad}$

5

Which angle would have trig ratios with these signs?

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

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

6

Which angle would have trig ratios with these signs?

$\tan(\beta) \rightarrow$ negative
 $\cos(\beta) \rightarrow$ negative

A	B
$\beta = \frac{5\pi}{6} \text{ rad}$	$\beta = \frac{\pi}{3} \text{ rad}$

7

Which angle would have trig ratios with these signs?

$\tan(\theta) \rightarrow$ positive
 $\cos(\theta) \rightarrow$ positive

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

8

Which angle would have trig ratios with these signs?

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

A	B
$\beta = \frac{2\pi}{3} \text{ rad}$	$\beta = \frac{4\pi}{3} \text{ rad}$