



Trigonometry - Quadrant Sign - Two Trig Ratios and Signs to Quadrant Image

1

In which quadrant would these trig ratios have these signs?

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

A	II	I	B	II	I
	III	IV	III	IV	

2

In which quadrant would these trig ratios have these signs?

$\sin(\alpha) \rightarrow$ negative
 $\cos(\alpha) \rightarrow$ negative

A	II	I	B	II	I
	III	IV	III	IV	

3

In which quadrant would these trig ratios have these signs?

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

A	II	I	B	II	I
	III	IV	III	IV	

4

In which quadrant would these trig ratios have these signs?

$\sin(\theta) \rightarrow$ negative
 $\tan(\theta) \rightarrow$ negative

A	II	I	B	II	I
	III	IV	III	IV	

5

In which quadrant would these trig ratios have these signs?

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

A	II	I	B	II	I
	III	IV	III	IV	

6

In which quadrant would these trig ratios have these signs?

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

A	II	I	B	II	I
	III	IV	III	IV	

7

In which quadrant would these trig ratios have these signs?

$\sin(\theta) \rightarrow$ positive
 $\tan(\theta) \rightarrow$ negative

A	II	I	B	II	I
	III	IV	III	IV	

8

In which quadrant would these trig ratios have these signs?

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

A	II	I	B	II	I
	III	IV	III	IV	