



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

1 In which quadrant would these trig ratios have these signs?

$$\tan(\theta) \rightarrow \text{negative}$$
$$\sin(\theta) \rightarrow \text{positive}$$

A	B	C	D
<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>

2 In which quadrant would these trig ratios have these signs?

$$\cos(\theta) \rightarrow \text{negative}$$
$$\sin(\theta) \rightarrow \text{positive}$$

A	B	C	D
<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>

3 In which quadrant would these trig ratios have these signs?

$$\cos(\theta) \rightarrow \text{positive}$$
$$\sin(\theta) \rightarrow \text{negative}$$

A	B	C	D
<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>

4 In which quadrant would these trig ratios have these signs?

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

A	B	C	D
<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>

5 In which quadrant would these trig ratios have these signs?

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

A	B	C	D
<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>

6 In which quadrant would these trig ratios have these signs?

$$\tan(\alpha) \rightarrow \text{positive}$$
$$\cos(\alpha) \rightarrow \text{negative}$$

A	B	C	D
<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>

7 In which quadrant would these trig ratios have these signs?

$$\tan(\alpha) \rightarrow \text{negative}$$
$$\sin(\alpha) \rightarrow \text{negative}$$

A	B	C	D
<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>

8 In which quadrant would these trig ratios have these signs?

$$\tan(\alpha) \rightarrow \text{positive}$$
$$\sin(\alpha) \rightarrow \text{negative}$$

A	B	C	D
<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>