



Trigonometry - Quadrant Sign - One Trig Ratio and Sign to Quadrant Numbers



1 In which quadrants would this trig ratio have this sign?

$$\cos(\beta) \rightarrow \text{negative}$$

A *II, III*

B *II, IV*

2 In which quadrants would this trig ratio have this sign?

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

A *II, III*

B *III, I*

3 In which quadrants would this trig ratio have this sign?

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

A *III, IV*

B *I, II*

4 In which quadrants would this trig ratio have this sign?

$$\cos(\gamma) \rightarrow \text{negative}$$

A *III, II*

B *II, III*

5 In which quadrants would this trig ratio have this sign?

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

A *I, III*

B *I, IV*

6 In which quadrants would this trig ratio have this sign?

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

A *III, IV*

B *I, IV*

7 In which quadrants would this trig ratio have this sign?

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

A *II, IV*

B *IV, II*

8 In which quadrants would this trig ratio have this sign?

$$\cos(\beta) \rightarrow \text{positive}$$

A *I, IV*

B *III, I*