



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

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

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

A *III, IV*

B *III, II*

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

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

A *III, I*

B *II, III*

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

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

A *I, III*

B *II, IV*

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

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

A *III, IV*

B *I, III*

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

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

A *IV, III*

B *III, IV*

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

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

A *II, IV*

B *IV, I*

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

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

A *III, IV*

B *II, III*

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

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

A *I, III*

B *IV, II*