Trigonometry Worksheet 8 - Answers

1. Given
$$\sin \theta = \frac{3}{5}$$
 in quadrant II, find $\cos \theta$.

$$-\frac{4}{5}$$
.

6. Given
$$\tan \theta = \sqrt{3}$$
 in quadrant III, find $\cos \theta$.

$$-\frac{4}{5}$$
.

2. Given
$$\cos \theta = -\frac{2}{3}$$
 in quadrant III, find $\sin \theta$.

$$-\frac{\sqrt{5}}{3}$$
.

7. Given
$$\tan \theta = -1$$
 in quadrant II, find $\sin \theta$.

$$\frac{\sqrt{2}}{2}$$
.

3. Given
$$\cos \theta = \frac{3}{5}$$
 in quadrant IV, find $\tan \theta$.

$$-\frac{4}{3}$$
.

8. Given
$$\sin \theta = -\frac{1}{10}$$
 in quadrant IV, find $\cos \theta$.

$$\frac{3\sqrt{11}}{10}.$$

4. Given
$$\sin \theta = -\frac{6}{7}$$
 in quadrant III, find $\tan \theta$.

$$-\frac{6\sqrt{13}}{13}$$
.

9. Given
$$\cos \theta = \frac{1}{2}$$
 in quadrant I, find $\tan \theta$.

$$\sqrt{3}$$
.

5. Given
$$\cos \theta = \frac{1}{4}$$
 in quadrant IV, find $\sin \theta$.

$$-\frac{\sqrt{15}}{4}$$
.

10. Given
$$\cos \theta = -\frac{2}{5}$$
 in quadrant II, find $\sin \theta$.

$$\frac{\sqrt{21}}{5}$$
.

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