Trigonometry Worksheet 8 - Answers

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   $\sqrt{3}$.

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

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