

Finding Sine, Cosine, and Tangent for an Angle Given a Point on its Terminal Side Practice Problems

Evaluate sine, cosine, and tangent for the angle in standard position whose terminal side contains the given point.

1) $(8, -15)$

2) $(-12, -5)$

3) $(7, 24)$

4) $(8, 15)$

5) $(-4, 1)$

6) $(3, 1)$

7) $(4, -4)$

Finding Sine, Cosine, and Tangent for an Angle Given a Point on its Terminal Side
Practice Problems Answers

1) $\sin(\theta) = \frac{-15}{17}$	$\cos(\theta) = \frac{8}{17}$	$\tan(\theta) = \frac{-15}{8}$
2) $\sin(\theta) = \frac{-5}{13}$	$\cos(\theta) = \frac{-12}{13}$	$\tan(\theta) = \frac{5}{12}$
3) $\sin(\theta) = \frac{24}{25}$	$\cos(\theta) = \frac{7}{25}$	$\tan(\theta) = \frac{24}{7}$
4) $\sin(\theta) = \frac{15}{17}$	$\cos(\theta) = \frac{8}{17}$	$\tan(\theta) = \frac{15}{8}$
5) $\sin(\theta) = \frac{\sqrt{17}}{17}$	$\cos(\theta) = \frac{-4\sqrt{17}}{17}$	$\tan(\theta) = \frac{-1}{4}$
6) $\sin(\theta) = \frac{\sqrt{10}}{10}$	$\cos(\theta) = \frac{3\sqrt{10}}{10}$	$\tan(\theta) = \frac{1}{3}$
7) $\sin(\theta) = \frac{-\sqrt{2}}{2}$	$\cos(\theta) = \frac{\sqrt{2}}{2}$	$\tan(\theta) = -1$