

Warm-up No Calculator

1. The terminal side of an angle θ in standard position passes through the given point. Find $\sin \theta$, $\cos \theta$, $\tan \theta$ in simplest radical form.

a. $(-1, 1)$

b. $(3, 4)$

2. If $\sin \theta = -\frac{\sqrt{2}}{3}$ and θ is in quadrant IV, what is $\sec \theta$?

3. If $\cot \theta = \frac{1}{4}$ and θ is in quadrant III, what is $\sin \theta$?

4. Given $\cos \theta = \frac{5}{7}$, $\sin \theta = -\frac{2\sqrt{6}}{7}$, state the quadrant(s) in which the angle lies.