

Trigonometry Worksheet: Using Reference Angles

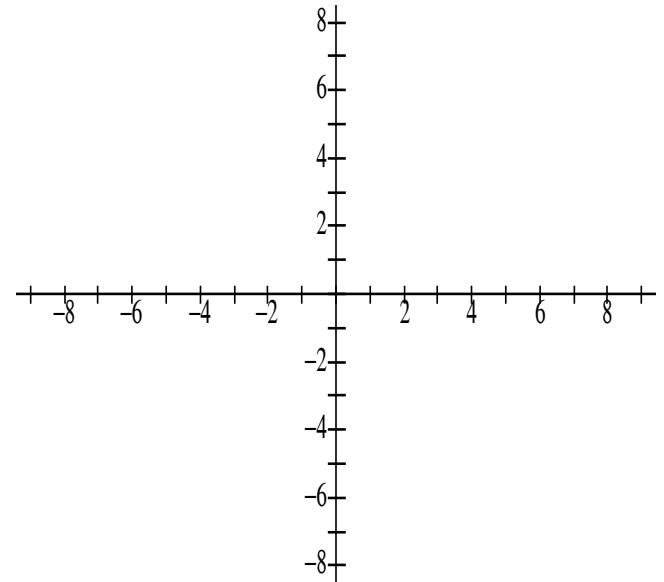
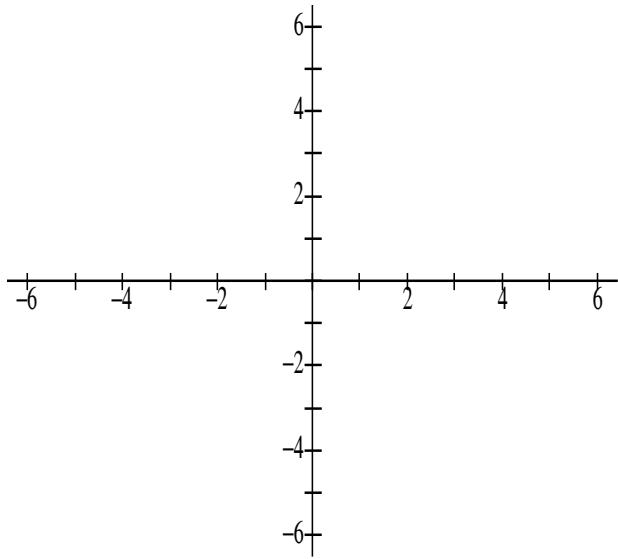
Name _____

Show all your work

Use the given information to draw the angle on the axes provided to find all the possible values θ for $0 < \theta < 360^\circ$.

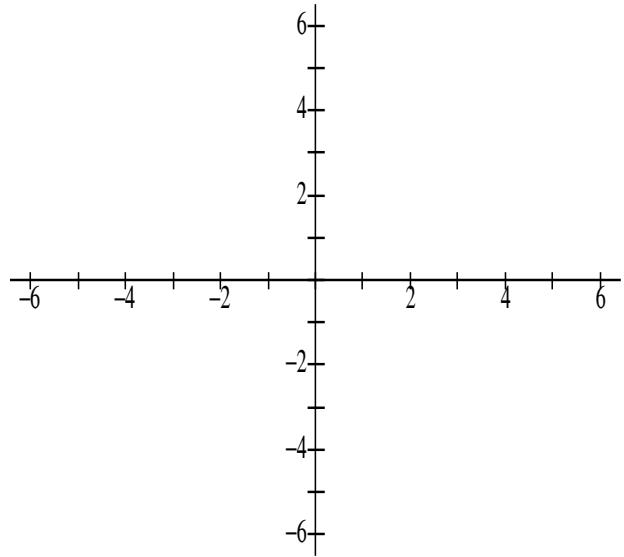
1) $\tan \theta = \sqrt{3}$

2) $\cos \theta > 0$, and reference angle is $\frac{\pi}{6}$



Using the given information, find all the possible values for θ . Draw the angle on the axes provided and identify the point at which the terminal side ends.

3) $\sin \theta = \frac{\sqrt{3}}{2}$



5) Find and sketch the reference angles

a) -176°

b) 376°

c) $-\frac{11\pi}{3}$