

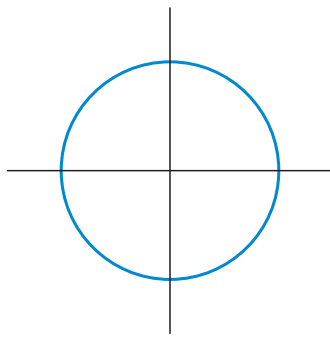
232 Quiz 3

Name: _____

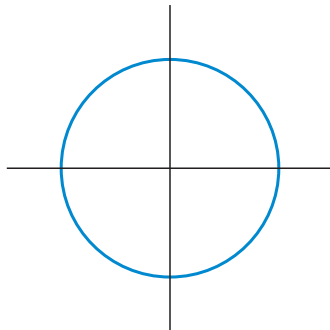
February 3, 2012

*Work individually. You may use your Notebooks.**For each problem you must use the unit circle provided and explain your work clearly to justify your answers.*

1. (like number 20(b) from 6.1) Make a geometric argument that if $\theta = \frac{\pi}{5}$, then the tangent of θ is less than 1.



2. (like number 68 from 6.1) If θ is an angle with $\cos \theta = -\frac{1}{4}$, then what are the possible values of $\sin \theta$?



3. (like number 22 from 6.2) Make a geometric argument that $\sin(-\theta) = -\sin(\theta)$ for any angle θ .

