Quiz 4

Show *all* your work. No credit is given without reasonable supporting work. There are *two* sides to this quiz.

1. [2] TRUE/FALSE: Circle T in each of the following cases if the statement is *always* true. Otherwise, circle F.

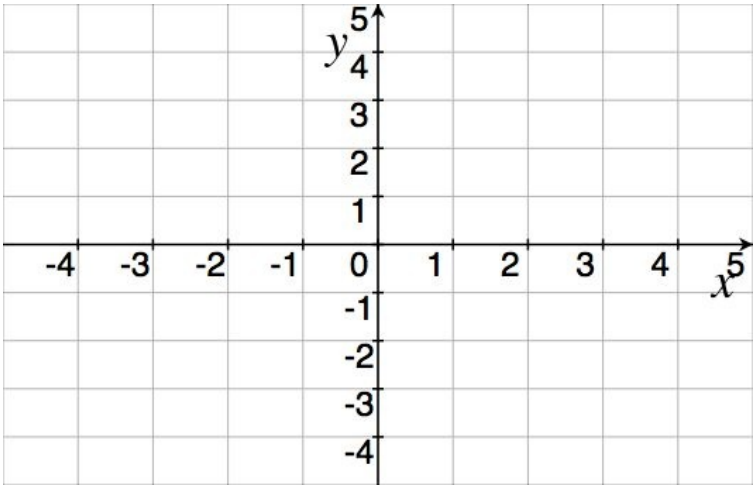
   T F $370^\circ = 10^\circ$

   T F $\cos(370^\circ) = \cos(10^\circ)$

2. Use the graph for the following questions.

   (a) [1] Plot the points $A = (3, 2)$ and $B = (-1, 4)$.

   (b) [3] (WebHW10 #6) Write the equation of a circle with the endpoints of the diameter at points A and B.



3. [2] (Circle Wks #3) Find all point(s) that are both on the unit circle and on the line $y = -x$. Be sure to explain your reasoning or show some work.

4. [2] (§4.3 #56) Find the exact values of:

$\sin\left(\frac{-13\pi}{6}\right)$ $\tan\left(\frac{3\pi}{4}\right)$