

Quiz 4

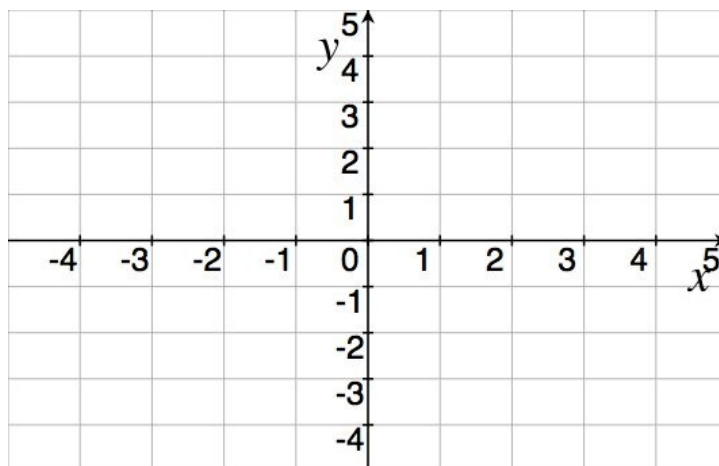
Show *all* your work. No credit is given without reasonable supporting work. There are *two* sides to this quiz.

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 The graph of a circle defines a function.

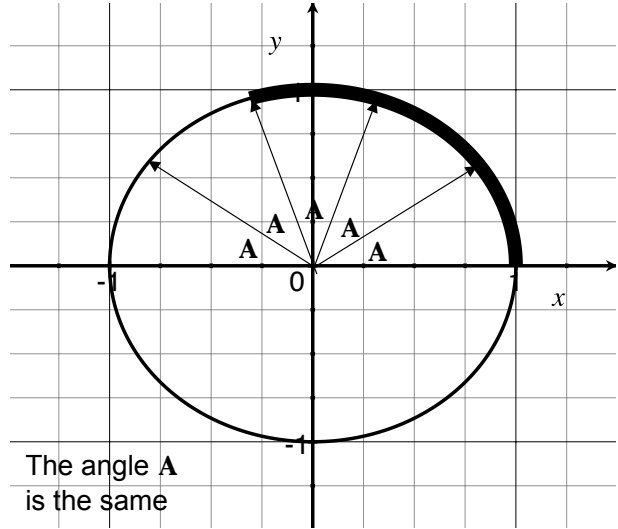
2. [3] (§1.1 #18) Find the (exact) point a quarter of the way from $(-2, 4)$ to $(3, 0)$. Show your work.



3. [1] (WebHW10 #14) Convert 370° into radians.

4. Consider the graph for the following.

(a) [1] (Circle Wks #1) Write the equation for the circle shown.



(b) [2] (§4.1 #12) Draw the angle $\frac{2\pi}{5}$ radians.

(c) [1] Find the exact length of the highlighted arc.