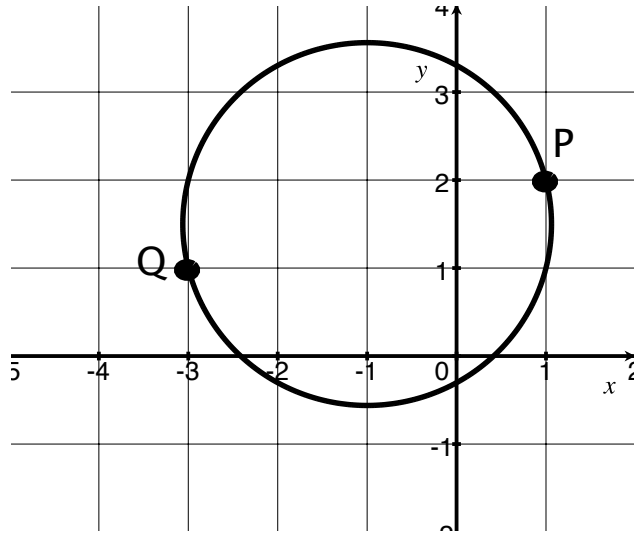


# Quiz 4

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

1. The line connecting point  $P$  and  $Q$  is a diameter of the circle shown.

- (a) [1] (WebHW10 #1) Find the distance from  $P$  to  $Q$ .



- (b) [2] (WebHW1- #6) Write an equation for the circle.

2. [2] (§4.1 #13) Draw the angle  $\frac{-4\pi}{3}$  radians.

3. [3] (Circle Wks #4) Find the point(s) that are both on the unit circle and the line  $y = -x$ .

4. [2] (WebHW11 #12 & 15) Find the exact values for:

$$\sin\left(\frac{7\pi}{6}\text{rad}\right)$$

$$\cos(45^\circ)$$