Quiz   **Name**

1. You are given a polar coordinate and a Cartesian coordinate system that are superimposed (in the way described in the pdf). Using your calculator find a pair of *polar coordinates* (r, θ) for the point that has *Cartesian coordinates* $(-4, -5)$. (Your r and θ should be accurate up to and including the second decimal place.)

2. Plot the point P with (polar) coordinates $\left(5, \frac{7\pi}{8}\right)$ accurately in the polar coordinate plane below. Then provide three more pairs of polar coordinates for P: one in which the first coordinate is negative and the second positive, another in which the first is positive and the second negative, and, finally, one in which both coordinates are negative.