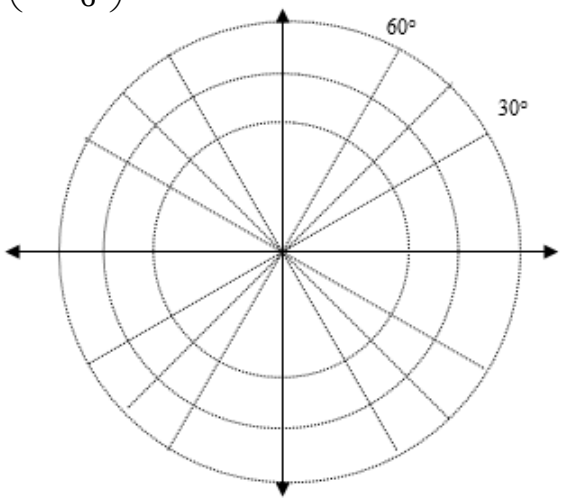
Name:_____

9.1 Practice

For 1-4, graph each polar coordinate.

1) A $\left(2, 225^\circ\right)$ 2) B $\left(-1, \frac{5\pi}{6}\right)$ 3) C $\left(1.5, -90^\circ\right)$ 4) D $\left(-3, -\frac{\pi}{3}\right)$

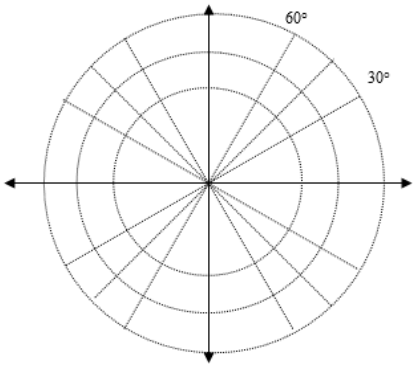


For 5 & 6, find 3 additional pair of polar coordinates.

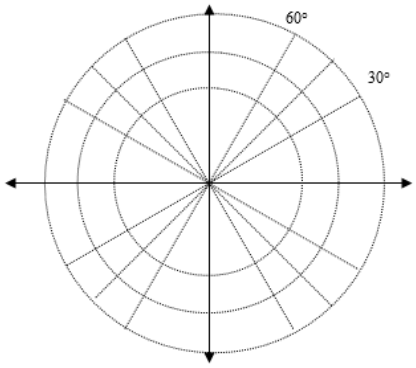
5) $\left(-2, \frac{\pi}{6}\right)$ 6) $\left(4, 300^\circ\right)$

For 7-9, sketch the graph of each.

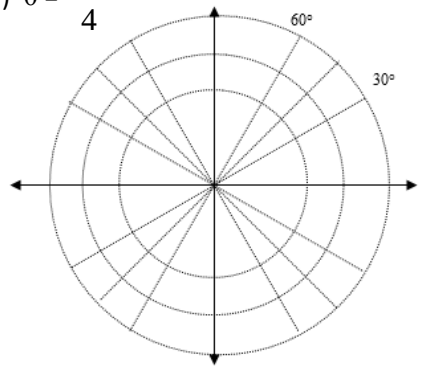
7) r = 3



8) r =-2



9) $\theta = \frac{3\pi}{4}$



For 10 & 11, determine the distance between the two polar points.

10) $\left(2, 240^\circ\right)$ & $\left(-1, 30^\circ\right)$ 11) $\left(10, \frac{7\pi}{6}\right)$ & $\left(5, \frac{5\pi}{3}\right)$