GRAPHING POLAR COORDINATES
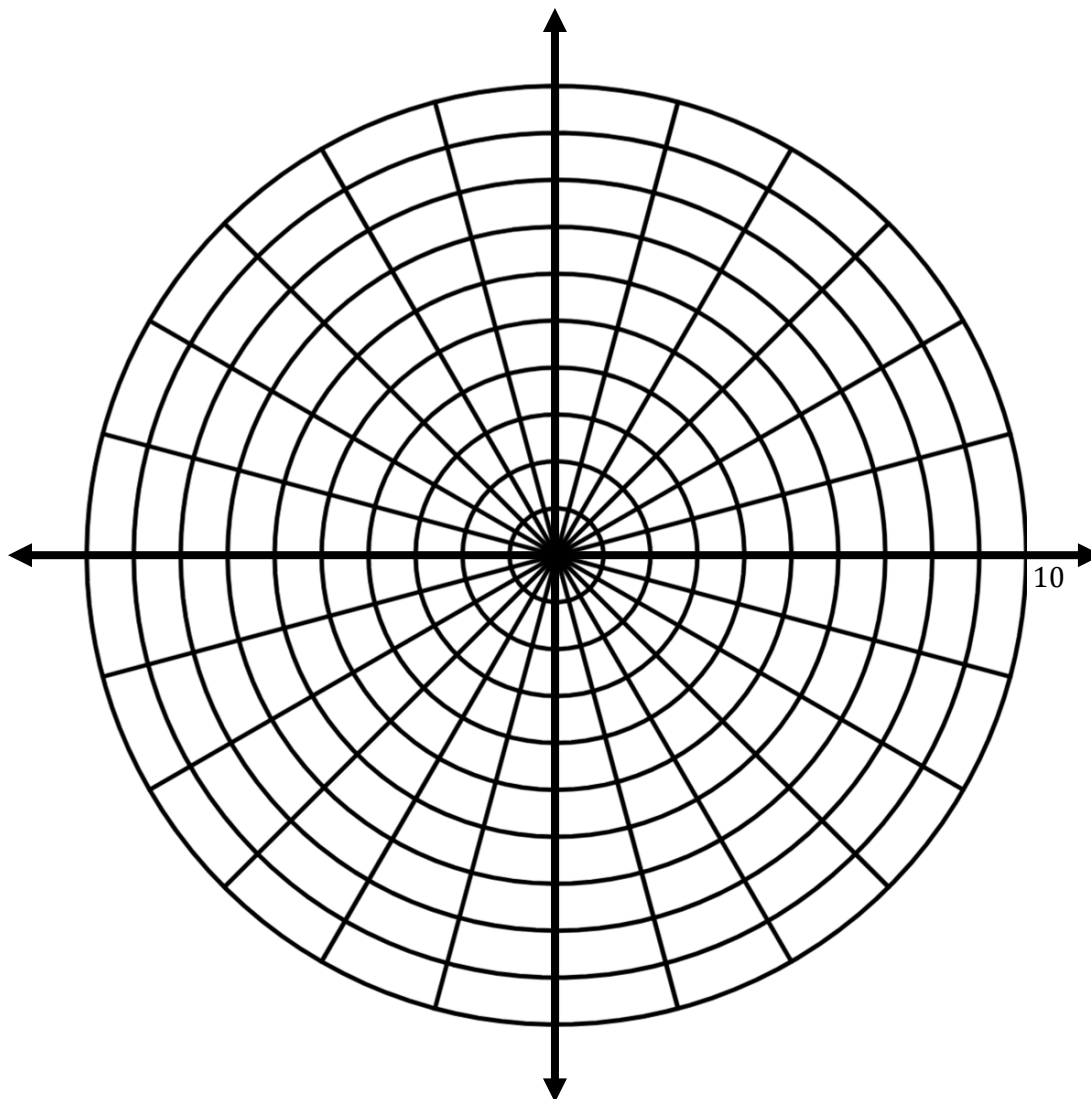## MYSTERY PICTURE 1

Connect the points in order with straight line segments as you graph each polar coordinate, (r, θ), on the polar grid below.
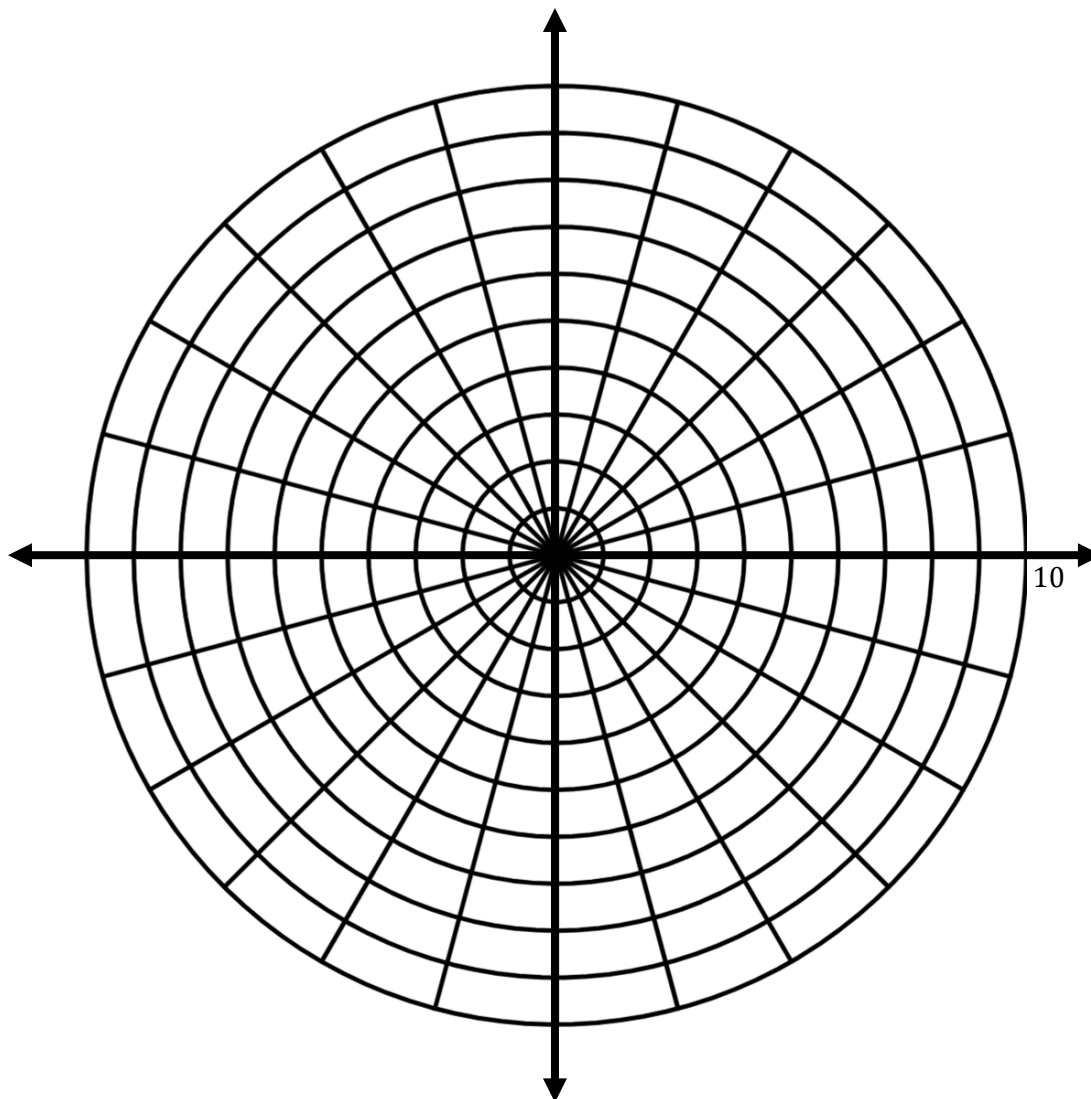
(r, θ)
START
$\left(9, \dfrac{\pi}{3}\right)$
$\left(-5, \dfrac{4\pi}{3}\right)$
$\left(3, \dfrac{-11\pi}{6}\right)$
$(-4, \pi)$
$(7, \pi)$
$\left(4, \dfrac{4\pi}{3}\right)$
$\left(-8, \dfrac{\pi}{3}\right)$
$\left(8, \dfrac{5\pi}{3}\right)$
$\left(8, \dfrac{-\pi}{6}\right)$
$(7, 0)$
$\left(-6, \dfrac{7\pi}{6}\right)$
$\left(7, \dfrac{\pi}{4}\right)$
$\left(9, \dfrac{\pi}{6}\right)$
$\left(9, \dfrac{-5\pi}{3}\right)$
END

10

GRAPHING POLAR COORDINATES
MYSTERY PICTURE 2

Connect the points in order with straight line segments as you graph each polar coordinate, (r, θ), on the polar grid below.

(r, θ)
START
$\left(10, \dfrac{7\pi}{4}\right)$
$(-7, \pi)$
$\left(5, \dfrac{-11\pi}{6}\right)$
$\left(-3, \dfrac{7\pi}{6}\right)$
$\left(4, \dfrac{\pi}{2}\right)$
$\left(-2, \dfrac{7\pi}{4}\right)$
$\left(4, \dfrac{3\pi}{4}\right)$
$\left(8, \dfrac{-4\pi}{3}\right)$
$\left(-10, \dfrac{7\pi}{4}\right)$
$\left(7, \dfrac{3\pi}{4}\right)$
$(5, \pi)$
$\left(4, \dfrac{5\pi}{4}\right)$
$\left(8, \dfrac{-2\pi}{3}\right)$
$\left(3, \dfrac{7\pi}{4}\right)$
$\left(10, \dfrac{-\pi}{4}\right)$
END

10