

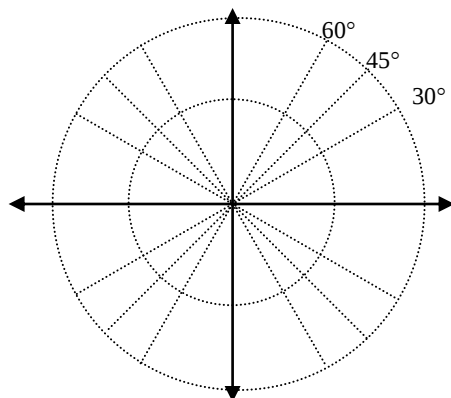
Name: _____

9.2 Graphs of Polar equations 2

1) Sketch a polar graph of $r = 2\cos 3\theta$

θ	0°	30°	45°	60°	90°	120°	135°	150°
r								

θ	180°	210°	225°	240°	270°	300°	315°	330°
r								



2) Sketch a polar graph of $r = 2\cos 2\theta$

θ	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$
r								

θ	π	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{3\pi}{2}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$
r								

