

Determine the graph of the following polar equations by first plotting in rectangular coordinates.

1.  $r = 2$

2.  $r = \cos(\theta)$

3.  $r = \cos(2\theta)$

4.  $r = 2\cos(\theta)$

5.  $r = \cos(\theta) + 1$

6.  $r = 2\cos(\theta) + 1$