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

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

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

3.
$$r = \cos(\theta) + 1$$

4.
$$r = 2\cos(\theta) + 1$$

5.
$$r = 1 - 2\cos(\theta)$$