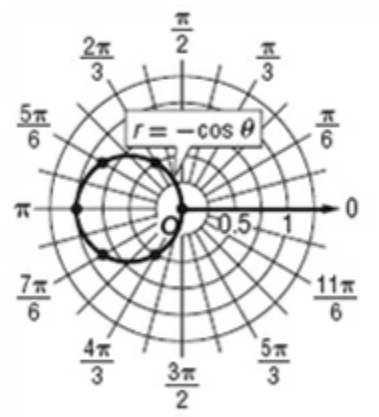# 9-2 Graphs of Polar Equations

Graph each equation by plotting points.
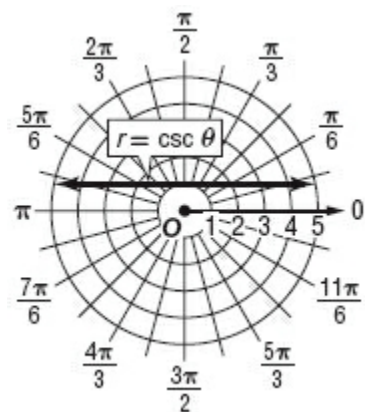
1. $r = -\cos\theta$

ANSWER:
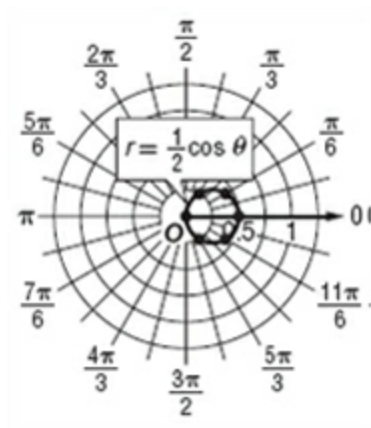

2. $r = \csc\theta$

ANSWER:

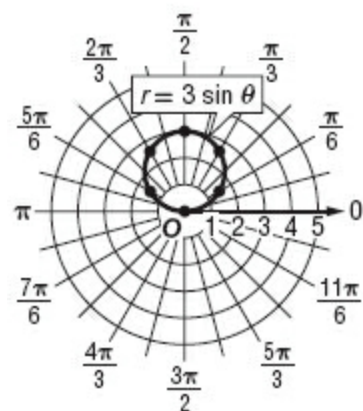# 9-2 Graphs of Polar Equations

3. $r = \dfrac{1}{2} \cos \theta$
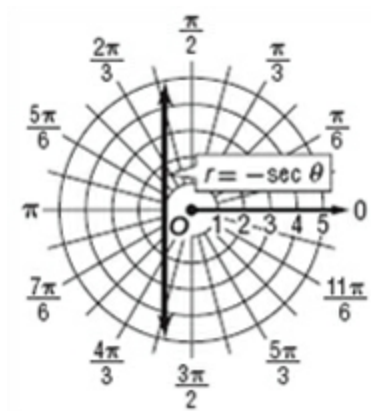
   ANSWER:

4. $r = 3 \sin \theta$

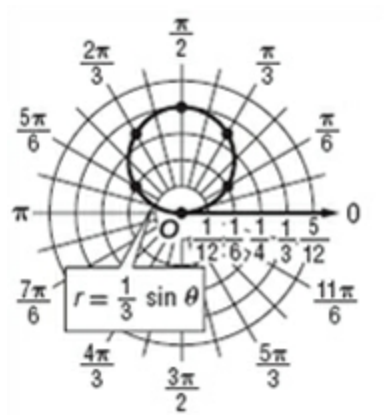   *ANSWER:*

5. $r = -\sec \theta$

   ANSWER:

9-2 Graphs of Polar Equations
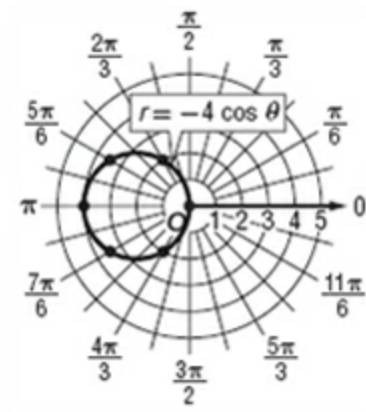
6. $r = \dfrac{1}{3} \sin \theta$
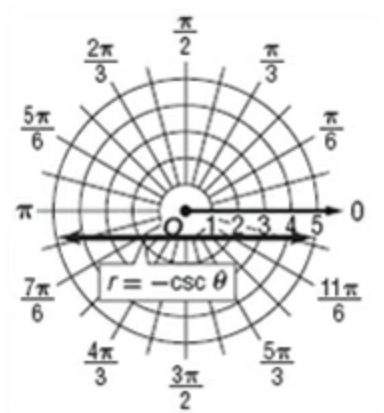
ANSWER:

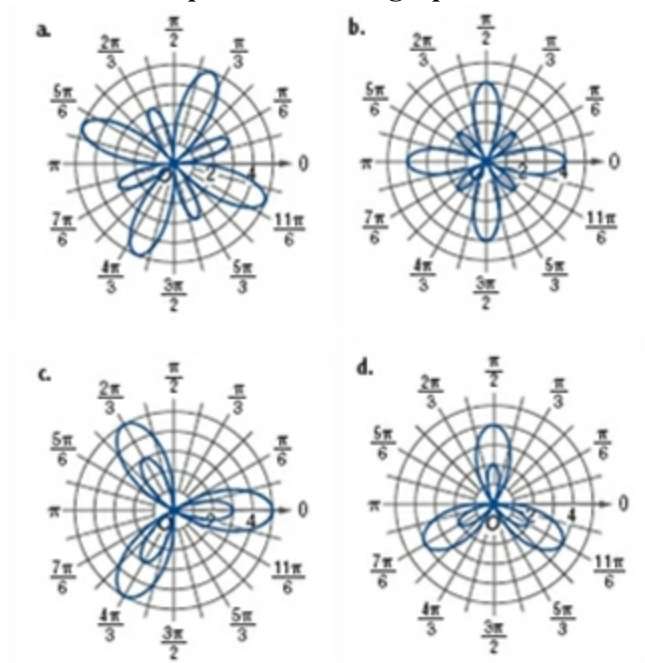7. $r = -4 \cos \theta$

ANSWER:

8. $r = -\csc \theta$

ANSWER:

9-2 Graphs of Polar Equations

Match each equation with its graph.

50. $r = 1 + 4 \cos 3\theta$

    ANSWER:

    c

51. $r = 1 - 4 \sin 4\theta$

    ANSWER:

    a

52. $r = 1 - 3 \sin 3\theta$

    ANSWER:

    d

53. $r = 1 + 3 \cos 4\theta$

    ANSWER:

    b