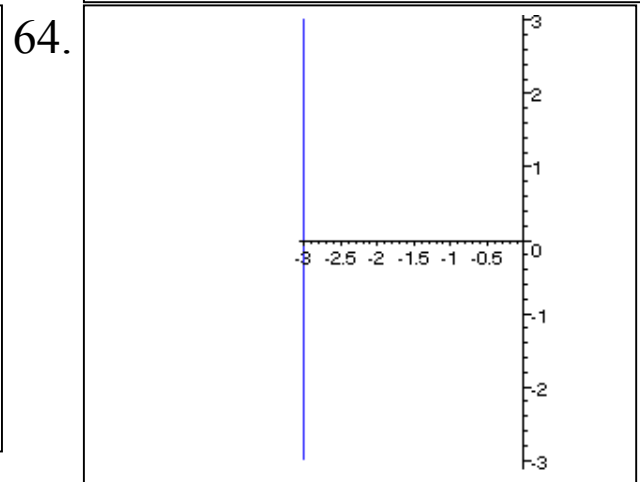
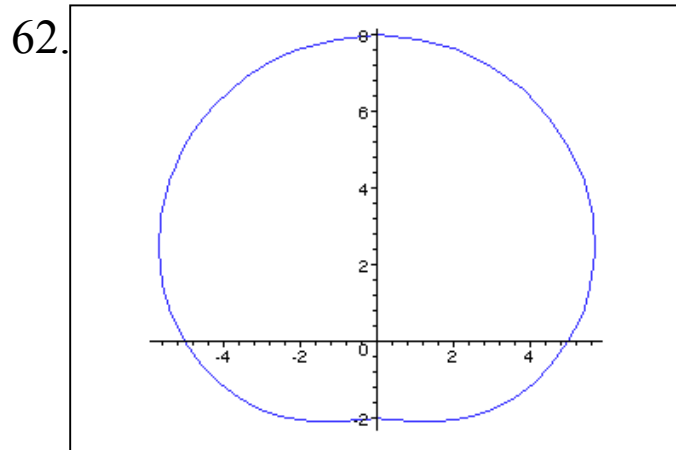
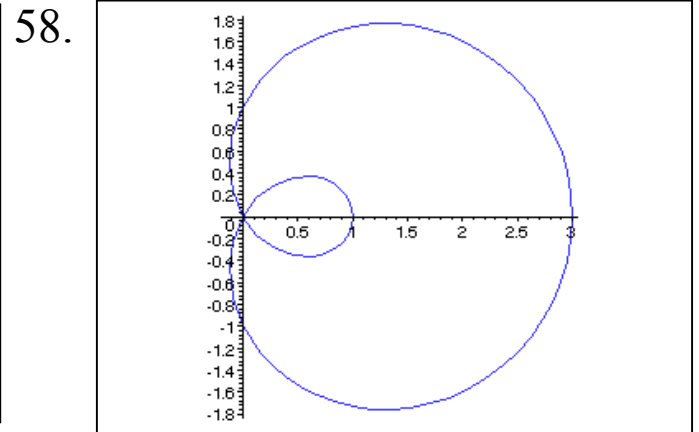
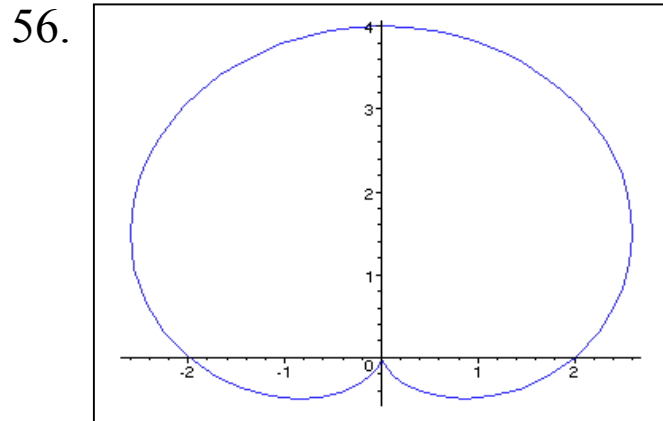


## Section 11.5

52. circle (center  $(3, -1)$  and radius =  $\sqrt{10}$ ,  $\theta = 0$   $r = 6$ )



14.  $r = 2 \csc \theta$

16.  $r = \sqrt{2}$  or  $r = -\sqrt{2}$

18.  $r = 8 \tan \theta \sec \theta$

28.  $y = -2$  -- horizontal line that passes through the point  $(0, -2)$

30.  $x^2 + y^2 = 4$  -- circle with center  $(0, 0)$  and radius = 2

38.  $3x - 4y = 12$  -- line (slope  $3/4$  and y-intercept  $(0, -3)$ )