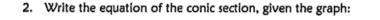
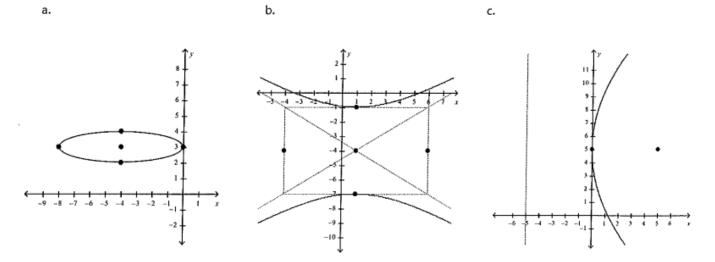
PreCalculus Unit 4 Practice Assessment Name:

Target 1: I CAN write the equations of conic sections given critical information.

- Write the equation for each of the following.
 - a. A parabola with focus (-4, -9) and directrix x = 6
 - b. A circle with endpoints of the diameter (-7, -3) and (-5, 5).
- c. An ellipse with center (-1, 2), focus (-3, 2), and vertex (-5, 2).
- d. An ellipse with foci (2, 3) and (2, 7) and minor axis of length 6.
- e. A hyperbola with vertices (2, 9) and (2, 3), and foci (2, 10) and (2, 2).

Target 2: I CAN write the equations of conic sections given their graphs.





Target 3: I CAN graph conic sections.

3. Give the critical info, according to the conic

a.
$$(y-1)^2 - \frac{(x-3)^2}{4} = 1$$

Left/Right Up/Down Center: Vertices: Foci:	Covertices:	
b. $\frac{(x-3)^2}{4} + (y-\mathbf{g})^2 = 1$		
Horizontal Vertical Center: Vertices: Foci:		
c. $(y-4)^2 = -20(x+1)$		
Opens: Focal width:	Vertex:	Focus:
Points on focal width:	Directrix: A	xis of Symmetry:
d. $x^2 + y^2 + 4x + 12y + 36 = 0$)	
Standard Form:		

Center; _____ Radius: _____