

Pre-Calc  
Conics WS

name \_\_\_\_\_

Write the equation for each conic.

1) Focus (5, 3)

Directrix:  $x = 1$

Name \_\_\_\_\_

2) Center (-5, 0)

Foci (-5, 2) and (-5, -2)

$b = 3$

Name: Ellipse

3) Center (4, 4)

Vertex (4, 7)

$b=2$

Name: Hyperbola

4) Write in standard form, then name  
and identify the center, vertices, and foci.

$$9x^2 + 36x - 16y^2 - 96y = 252$$