**Find the vertex, axis of symmetry, focus, and directrix.**

1. $\left(y+2\right)^{2}=-16\left(x+3\right)$

2. 

3. 

4. 

5. $\left(x-3\right)^{2}= 8\left(y+4\right)$

**Write the equation for each PARABOLA.**

6. directrix y = 8, focus (0,0)

7. directrix x = 1, vertex (-2, 1)

8. vertex (5, 2), focus (3, 2)

9. vertex (-1, 2), focus (-1, 0)

10. focus (1, 4), directrix x = 6