Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

# Secondary Math II 8-3 Homework

# Focus and Directrix

Identify the focus, directrix, and focal length of the following parabolas

1.  2. 

3.  4. 

Write the equation for the following parabolas give the focus and the directrix.

5. Focus: (4, -2) Directrix: y =0 6. Focus:  Directrix: 

7. Focus: (7, -4) Directrix: y =-2 8. Focus: (1,2) Directrix: y = -2

9. Focus: (3, 2) Directrix: y =6 10. Focus:  Directrix: 