**Math 20-1 Completing the Square with Quadratic Functions**

1. What is the benefit of changing the form of a quadratic function from  to the form ?

2. Rewrite each in the form . Write the coordinates of the vertex.

 a)  b) 

 c)  d) 

 e)  f) 

3. Rewrite each in the form . What is the maximum or minimum value of the graph of the function? Also include the x-value.

 a)  b) 