

Name \_\_\_\_\_ Section/Period \_\_\_\_\_  
Assigned: \_\_\_\_\_

For each of the following, put them into vertex form and graph them. You need to include the y intercept (exact), the x-intercepts (exact if possible, otherwise read them from the graph.) Also list the vertex and the equation for the axis of symmetry. Remember, that a quadratic function may have 0, 1, or 2 x-intercepts, but must have one (and only one) y-intercept. A table of values is required for these.

1.  $f(x)=x^2-6x-3$

2.  $f(x)=x^2-4x-9$

3.  $f(x)=2x^2-12x+22$

4.  $f(x)= -4x^2-12x-13$

5.  $f(x)=9x^2+6x-26$

6.  $f(x)=49x^2+14x-342$