

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

For each of the following, use the quadratic formula to find the roots of each.  
Then graph each, using a table of values ONLY if the two roots are imaginary or  
if there is only one real root.

1.  $f(x)=x^2+6x+9$

Assignment Due: \_\_\_\_\_  
Quadratics – Quadratic Formula

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2.  $f(x)=x^2+3x+5$

3.  $f(x)=3x^2+3$

4.  $f(x)=2x^2+5x-8$

5.  $f(x)=6x^2-22x-8$

Assignment Due: \_\_\_\_\_  
Quadratics – Quadratic Formula

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

Use the quadratic formula to find the roots of each of the following. You have to first change these to standard form. These do NOT have to be graphed.

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

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

9.  $f(x) = -(x-2)^2 - 1$

10.  $f(x) = 2(x+4)^2 - 4$



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

12.  $f(x) = 3(x-4)^2 + 4$