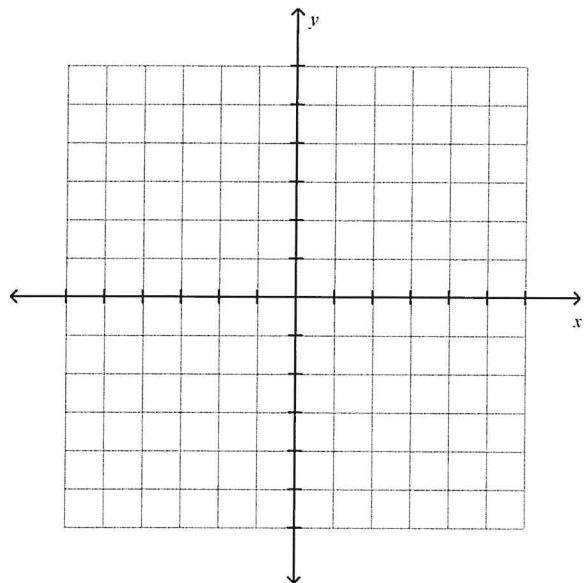


Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### Algebra 2 CP Quiz Review Sections 5.1-5.2

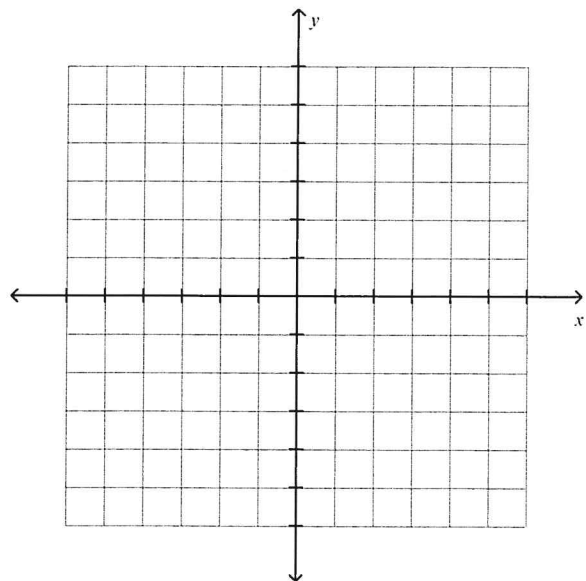
1. Graph the function  $f(x) = -2x^2 + 5x - 1$ .

*Your work must include finding the axis of symmetry, the vertex, and making a table of values.*



2. Graph the function  $f(x) = x^2 + 6x + 9$ .

*Your work must include finding the axis of symmetry, the vertex, and making a table of values.*



### Algebra 2 CP Quiz Review Sections 5.1-5.2

3. Factor each of the following:

a)  $x^2 + 2x - 80$

b)  $2x^2 + 7x + 3$

c)  $14x^2 - 8x - 6$

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d)  $4x^2 - 49$

e)  $9x^2 + 24x + 4$

f)  $27x^2 - 3$

4. Solve each of the following:

a)  $x^2 - 3x - 40 = 0$

b)  $5x^2 - 13x = -6$

c)  $x^2 - 100 = 0$

d)  $3x^2 - 4x - 8 = x$

e)  $81x^2 - 16 = 0$

f)  $30x^2 - 6x = 0$