Graphing Quadratic Equations Worksheet 1

$y = ax^2 + bx + c$

Identify the following for each equation:

Equation	y-intercept	axis of symmetry	vertex	maximum or minimum
1. $y = 3x^2$				
2. $y = x^2 - 4x$				
3. $y = -x^2 - 3x + 4$				
4. $y = 4x^2 - 6x - 3$				
5. $y = -2x^2 + 8x - 5$				
6. $y = x^2 + 3x - 12$				
7. $y = -x^2 + 6x - 1$				
8. $y = -6x^2$				
9. $y = x^2 - 3x - 10$				
10. $y = x^2 + x + 27$				

Name _____

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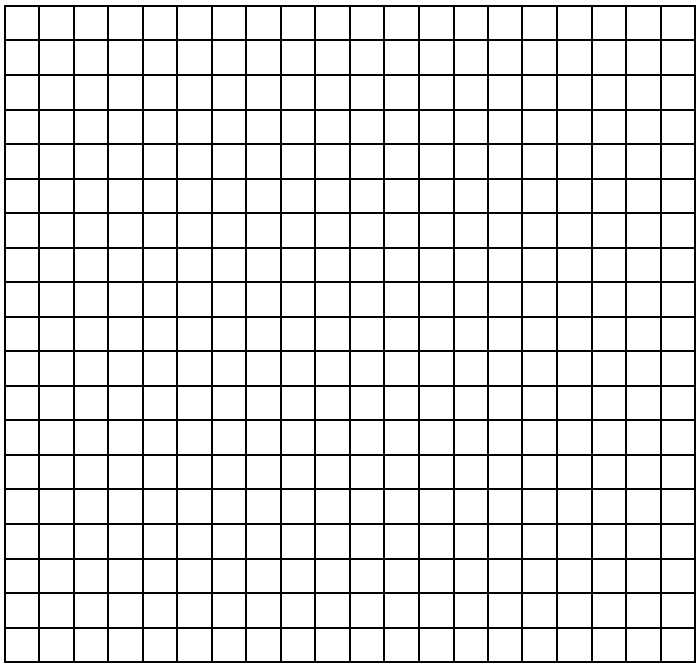
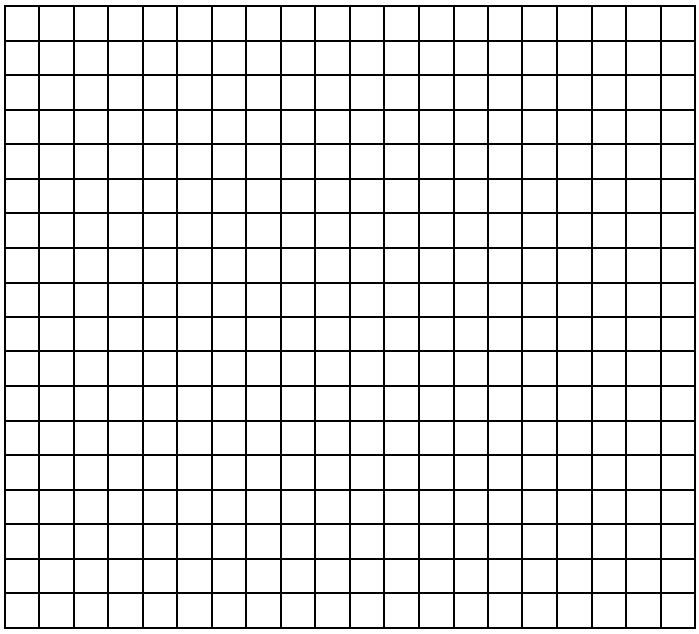
Graph the equations from the table on page 1

1. $y = 3x^2$



2. $y = x^2 - 4x$



3. $y = -x^2 - 3x + 4$