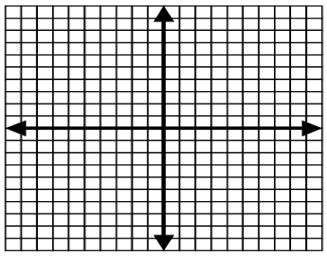
9-1 Graphing Quadratic Functions **Name:**
Worksheet A

Graph the following quadratic equations.

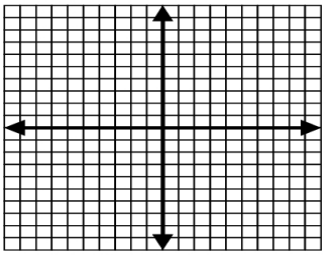
1. $y = -x^2 + 9$

X Y



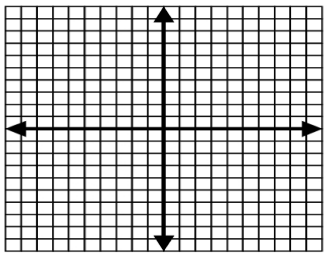
2. $y = -x^2 + 4$

X Y



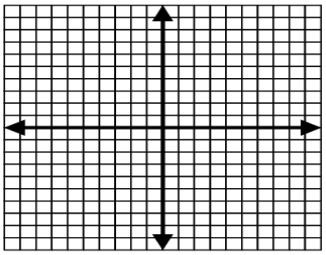
3. $y = x^2 + 6x + 5$

X Y



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

X Y



5. Which of the following equations opens up?

A) $-5x^2 + 7x + 9$ B) $21x^2 - 18x + 11$

C) $-x^2 + 9$ D) $-8 + x + 4x^2$

6. Which of the following equations opens down?

A) $y = x^2 + 2x - 3$ B) $y = 4$

C) $y = -4 + x^2$ D) $y = 7 + 10x - 3x^2$