Graphing Quadratic Equations

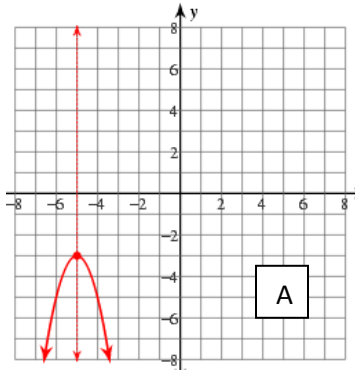Name: _____   Date: _____
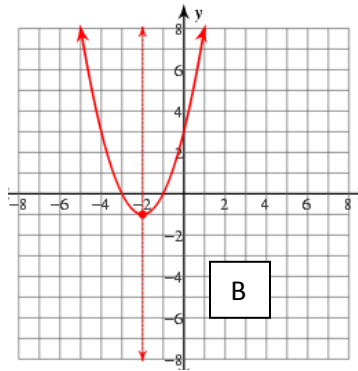**Due at the End of the Class**   Period: _____

Find the graph for each equation.
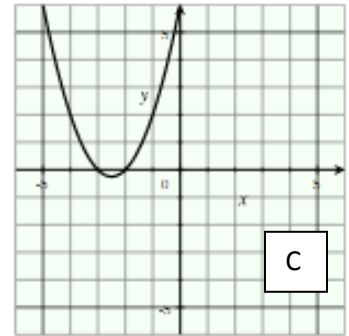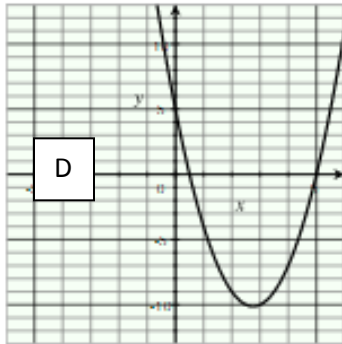
$f(x) = \frac{1}{4}(x + 5)^2 + 2$
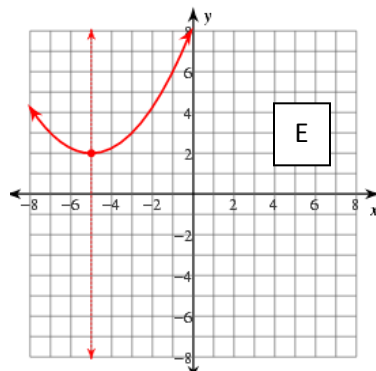
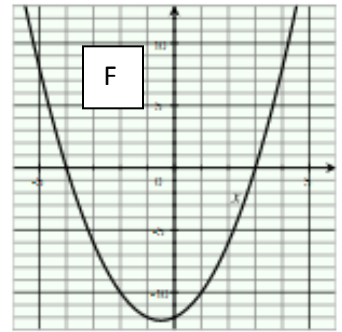$y = 2x^2 - 11x + 5$

$f(x) = (x + 2)^2 - 1$

A

B

C

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

$y = x^2 + x - 12$

$f(x) = x^2 + 5x + 6$

D

E

F

Find the vertex for each quadratic equation and roughly sketch its graph.

$f(x) = 2x^2 + 36x + 170$ $y = (x + 3)(x - 2)$ $6x^2 + 12x + y + 13 = 0$ $y = x^2 + 4x$