

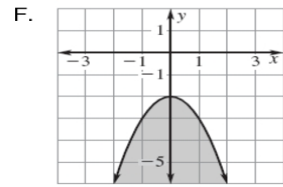
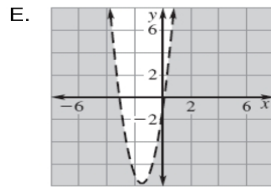
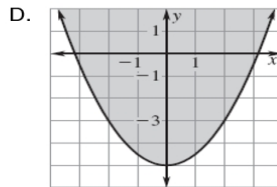
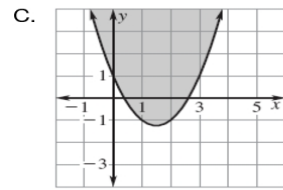
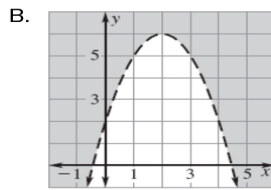
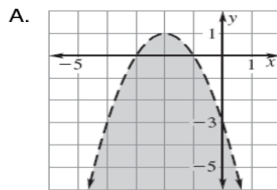
# Graphing Quadratic Inequalities Worksheet

Use substitution to decide whether the ordered pair is a solution of the inequality.

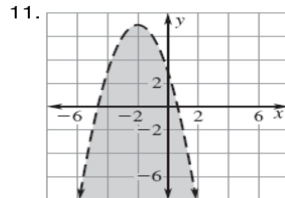
1.  $y < 3x^2 - 8x$ ; (2, -1)
2.  $y \leq x^2 - 5x - 6$ ; (0, -10)
3.  $y \geq -x^2 + 2x - 3$ ; (-3, 0)
4.  $y > -8x^2 + 4x - 6$ ; (-1, -2)

Use the inequality symbols and shading to match the graph with its inequality.

5.  $y > -x^2 + 4x + 2$
6.  $y \geq \frac{1}{2}x^2 - 5$
7.  $y < -x^2 - 4x - 3$
8.  $y \leq -x^2 - 2$
9.  $y \geq x^2 - 3x + 1$
10.  $y < 3x^2 + 9x - 1$

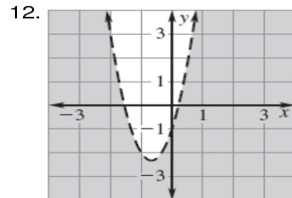


Use the following graphs to identify A) Two points that are solutions and B) Two points that are not solutions.



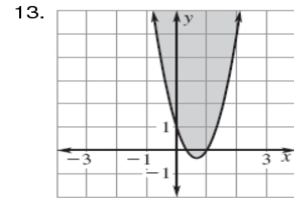
Solutions:

Not Solutions:



Solutions:

Not Solutions:



Solutions:

Not Solutions: