



N: _____

D: _____

P: 0 1 2 3 4 5 6

Algebra 2 // 5.6 Practice A // Practice 1

Mission Hills Math 2013

Directions: Solve the following quadratic equations using the quadratic formula. Show your work on a separate sheet of paper! (hint: it needs to look like $ax^2 + bx + c = 0$ before you start working if not, then it will be incorrect. Add or subtract from each side so it is in that form)

The **quadratic formula** is:

1) $x^2 - 3x - 1 = 0$

2) $x^2 + 7x = 1$

3) $2x^2 - x - 5 = 0$

4) $x^2 - 4x = -4$

5) $x^2 - 2x - 5 = 0$

6) $3x^2 + x + 6 = 0$

7) $3x^2 = 2x + 6$

8) $x^2 = 3x$

9) $3x^2 + 2x - 4 = x^2 + 9x - 5$

10) $2x^2 - 5 = 0$

11) $2x^2 - 6x + 1 = 0$

12) $x^2 + 2x = -8$