

## AA PREP—SOLVING QUADRATIC EQUATIONS WORKSHEET #2

Solve each quadratic equation using the specified method. Simplify radicals!

1. Solve by taking the square root.

a)  $x^2 = 48$

b)  $\frac{2}{5}(x+3)^2 - 4 = 36$

2. Solve by factoring.

a)  $81x^2 - 1 = 0$

b)  $5x^2 + 13x - 6 = 0$

3. Solve using quadratic formula.

a)  $x^2 + x - 12 = 0$

b)  $x^2 - 8x + 6 = 0$

4. Solve by completing the square.

a)  $x^2 + 12x + 4 = 0$

b)  $5x^2 - 20x - 7 = 0$