

## AA PREP—SOLVING QUADRATIC EQUATIONS WORKSHEET #1

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

1. Solve by taking the square root.

a)  $x^2 = \frac{9}{2}$

b)  $\frac{3}{2}(x+4)^2 - 12 = 18$

2. Solve by factoring.

a)  $9x^2 - 49 = 0$

b)  $-x^2 + x + 90 = 0$

3. Solve using quadratic formula.

a)  $x^2 + 2x - 15 = 0$

b)  $x^2 - 4x - 2 = 0$

4. Solve by completing the square.

a)  $x^2 + 10x - 2 = 0$

b)  $3x^2 - 12x - 13 = 0$