

## 5.2 Re-Teach Worksheet

Name \_\_\_\_\_

### Intermediate Algebra B

**5.2** *I can represent real-world situations with quadratic equations and solve using appropriate methods.*

#### Level 1:

Solve the quadratic Equations:

1.  $2x^2 - 1 = 49$

2.  $x^2 - 5x = 6$

3.  $3(x - 1)^2 + 5 = 32$

4.  $7x^2 = -16x - 11$

5.  $16x^2 = -1 - 8x$

6.  $x^2 - 2x = 6$

Simplify the following Radicals:

7.  $\sqrt{-75}$

8.  $2\sqrt{96}$

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### Intermediate Algebra B

Simplify the following Radicals:

9.  $\sqrt{45}$

10.  $\frac{4 \pm \sqrt{32}}{2}$

11.  $\frac{3 \pm \sqrt{81}}{2}$

12.  $\frac{-8 \pm \sqrt{-100}}{4}$

13.  $\frac{7 \pm \sqrt{25}}{2(2)}$

14.  $\frac{-4 \pm \sqrt{48}}{2(3)}$