

Name: _____

8A: Algebra 1

Date: _____

Period _____

Solving Incomplete Quadratic Equation

What is the difference between the following two quadratic equations?

$$x^2 - 3x + 2 = 0$$

$$x^2 - 25 = 0$$

*A quadratic equation in which _____

is called an _____ or a _____.

*General form: _____

*Remember 1) Degree of two means _____ answers and 2) The square root of an answer is _____

Solving Incomplete Quadratic Equations:

1) Find the solution set: $x^2 - 49 = 0$

A) By factoring:

B) By solving algebraically

Steps to Solving
Algebraically

1)

2)

2) Find the solution set: $g^2 = 16$

3) $x^2 = 48$

4) $7y^2 = 3y^2 + 36$

$$5) 4x^2 - 14 = 2x^2$$

$$6) \frac{x}{9} = \frac{144}{x}$$

$$7) 2k^2 + 3k^2 = 375$$

$$8) 10y^2 = 3y^2 + 140$$

$$9) 2x^2 - 32 = 0$$

$$10) \frac{x}{7} = \frac{7}{x}$$

$$11) a^2 + 36 = 0$$

$$12) 6x^2 - 4x^2 = 210$$

****Literal Equations & Quadratics**

13) Solve for x:

$$4x^2 - a^2 = 0$$

14) Solve for t:

$$s = \frac{1}{2}gt^2$$