Algebra 1 S2 Name: ______ Topic: Solving

Block: ________Block: _______

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Level 2	Level 3	Level 4
Students will recognize or recall specific vocabulary such as:	Students demonstrate they have developed	Students will demonstrate they
Quadratic equation, quadratic formula	the ability to:	have developed the ability to
Students demonstrate they have developed the ability to:	 Solve quadratic equations in one 	extend their level 3 knowledge to
 Solve quadratic equations in one variable using: 	variable using:	systems with three variables.
 Zero Product Property 	 Quadratic Formula 	
 Factoring 	 Taking Square Roots 	

Level 2

You Tube

Watch (and take notes) the lecture called <u>Zero Product Property</u>.

1. Find the solutions using the Zero Product Property (ZPP). (*Choose 5 to complete. Do the rest for more practice*). a. (x + 3)(x - 2) = 0f. (x - 4)(x + 5) = 0

b.
$$(x-4)(x+8) = 0$$
 g. $(3x+12)(4x-12) = 0$

c.
$$(2x+8)(x+9) = 0$$

h. $(x+11)(x-10) = 0$

d.
$$(x-7)(3x-9) = 0$$

i. $(-2x+16)(x-6) = 0$

e.
$$(x+6)(-4x+8) = 0$$
 j. $(5x-10)(2x+4) = 0$

 Algebra 1 S1
 Name:
 Block:

2. Find the solutions using the Zero Product Property (ZPP). (*Hint: these problems are not factored. Factor then do ZPP.*, a. $2x^2 - 10x = 0$ d. $x^2 = 9$

b. $5x = 20x^2$ e. $b^2 + 8b = 0$

c. $x^2 - 49 = 0$ f. $x^2 - 15x = -50$