

Solving Equations Riddle (2 & 3 Steps)

Principles

Name: _____

Pd: _____ Date: _____

Objective: To solve multiple step equations.

SHOW ALL WORK TO RECEIVE FULL CREDIT! Solve for x & COMPLETE ALL CHECKS!

RIDDLE: You can see it, but you can't touch it. It may disappear, but has never really left you.

It grows throughout the day. What is it?

1.) $3x - 9 = -15$

2.) $4(9 + x) = 60$

3.) $6x^2 = 96$

4.) $\frac{x}{5} - 8 = -5$

5.) $8(6 - 2x) = 64$

6.) $\frac{4x - 6}{2} = 7$

7.) $2(x - 7)^2 = 32$

8.) $-3(x + 5) + 1 = -20$

The numbers across the top row are the answers to exercises 1 – 8. Each will only be used once and not all answers will be used. Use each answer's corresponding letter to complete the riddle. "BL" stands for a blank square.

-13	-11 & 11	-8	-4 & 4	-2	-1	1	2	3 & 11	4	5	6	15	24
T	E	I	S	A	A	L	W	O	M	D	BL	H	BL

ANSWER: The numbers below indicate the exercise number. Using the corresponding letter for each answer, fill in each square with only one letter. Leave a blank square for each "BL" above.

1	2	3	4	5	6	7	8