

Name: _____

Date: _____

AIM: How can we solve algebraic equations?

Do Now

1. $h + 2 = -17$

2. $14 = 7p$

3. $-12 + x = 9$

4. What is the difference between the three equations above and the following equation:

$$2x + 4 = 12$$

Two-Step Equations:



In two-step equations:

First:

Second:

| | |
|-------------------------|--------------|
| $5y + 3 = -12$ | Check |
| $\frac{m}{-2} - 4 = 10$ | Check |

Practice

| | |
|-------------------------|---------------|
| $2x + 1 = 11$ | $2 = 14 + 3x$ |
| $\frac{x}{-2} + 5 = 10$ | $2 + 9x = 20$ |

$$-x + 1 = 9$$

Check

$$2 - 9x = 20$$

Check



1. What does solve mean?

2. What is a solution?

3. How do you check the solution?

Extra Practice

$$1.) 2v + 7 = 3$$

$$2.) 4b + 3 = -9$$

$$3.) 17 = 5k - 2$$

$$4.) -6t - 7 = 17$$

$$5.) 8n + 16.2 = 1.6$$

$$6.) -5g + 2.3 = -18.8$$

$$7.) \frac{m}{2} + 6 = 10$$

$$8.) -\frac{z}{3} + 5 = 9$$

$$9.) \frac{2}{5} + 4a = -\frac{6}{5}$$