



Solving an Equation

An equation is a math expression with an equal sign. For example: $x + 10 = 15$

Solving an equation means that you figure out what the missing number is. In other words, you are figuring out what the letter stands for.



Adding and Subtracting Chant

Same sign add, different sign subtract

Always keep the sign of the bigger number

Solving 1-Step Equations

1st - Draw a line through the equal sign

2nd - Go to the side the letter is on and do the opposite. Make sure you do the same thing to both sides

3rd - Get your final answer by cleaning things up

Solve the following equations. Show all work (write out every step).

$$x + 4 = -12$$

$$y - 5 = -7$$

$$3 = z + 8$$

$$-8 = x - 12$$

Assignment 8-2 Solving 1-Step Equations – Add & Subtract

Solve the following equations. Show all work (every step) to receive credit. ← 2002

1. $a + 3 = 18$

2. $y - 7 = -5$

3. $5 = m + 7$

4. $x + 7 = -3$

5. $-5 = k - 7$

6. $y - 8 = 5$

7. $h + 8 = -9$

8. $13 = z + 6$

9. $d - 2 = -10$

10. $x + 1 = 5$

11. $8 = w + 10$

12. $8 = x - 9$