Math 8

Our Goal: To learn to solve multi-step equations

Warm Up: You will need your homework, notebook, and computer Everything else, bags etc. on the shelves please

<u>Today's Homework</u>

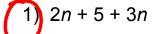
1.2 Exercises, p.14-15: 2-18 (evens)

Previous Homework

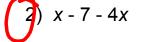
1.1 Exercises, p.7-9: 2-36 (evens)

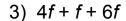
Show-that X=3 is a solution

Simplify the expression.









5)
$$17 + 2t - 9 + 2t$$

5)
$$17 + 2t - 9 + 2t$$
 6) $(y + 7) + (2y - 5)$





Solving Multi-Step Equations

To solve multi-step equations, use inverse operations to isolate the variable.

The height (in feet) of a tree after x years is 1.5x + 15. After how many years is the tree 24 feet tall?

Solve 8x - 6x - 25 = -35.

$$2.x - 2.5 = -3.5$$

 $+2.5 = +2.5$

$$\frac{2}{2}x = -10$$

Solve
$$2(1-5x)+4=-8$$
.
 $2-10x+4=-8$
 $3-10x+4=-8$
 $3-10x$

Use the table to find the number of miles *x* you need to run on Friday so that the mean number of miles run per day is 1.5.

Day	Miles
Monday	2
Tuesday	6
Wednesday	1.5
Thursday	b
Friday	X

X+2+1.5

X+2+1.5 = 7.50

X+3.5=7.5 -3.5 -3.5