## 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

Today's Homework
M&Y 1.2 Practice, p.13-14: 1-15

Previous Homework
M&Y 1.1 Practice, p.7-8: 1-25

Simplify the expression.

3) 
$$4f + f + 6f$$

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

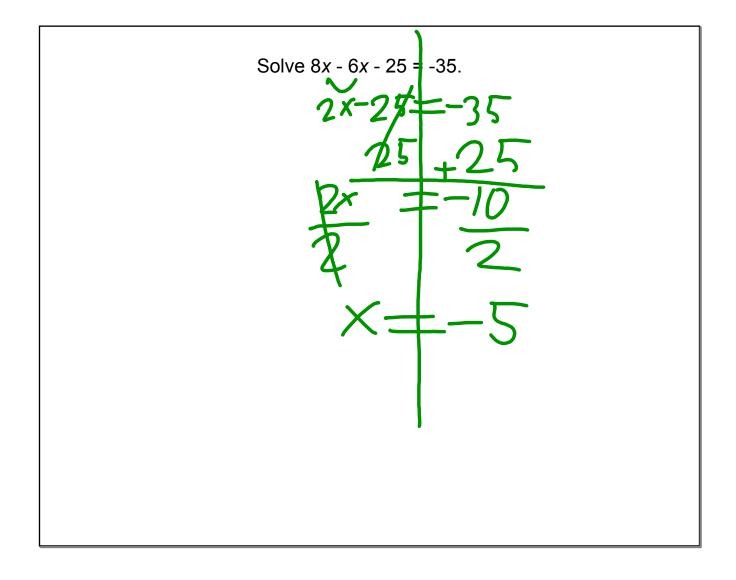
4) 
$$(9 - m) + 4m + 7$$



## **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 
$$2(1-5x)+4=-8$$
.  
 $2-10x+4=-8$ .  
 $6-10x=-8$ .  
 $-10x=-14$ .  
 $-10x=-16$ .  
 $-10x=-14$ .  
 $-10x=-16$ .  
 $-10x=-14$ .  
 $-10x=-14$ .  
 $-10x=-16$ .

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.

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Day	Miles	
Monday	2	
Tuesday	0	
Wednesday	1.5	
Thursday	0	
Friday	X	