

Solving for the variable

- o GOAL: To get the variable by itself
- o Steps:
 - "Undo" by performing the opposite operation
 - Follow the <u>REVERSE</u> of the order of operations

Examples: Adding/Subtracting

1.
$$x + 5 = 6$$

 $x = -5$

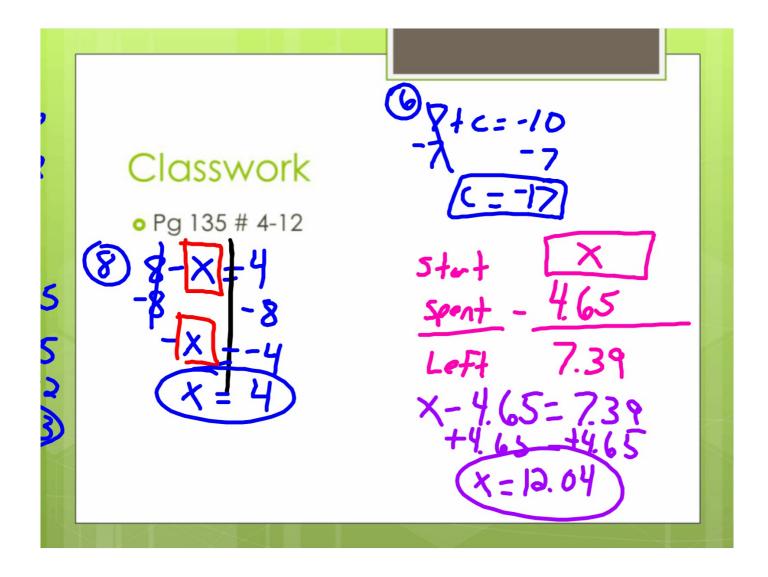
2.
$$x + 3 = -12$$
 $X = -15$

Examples: Adding/Subtracting

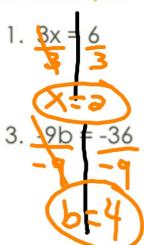
5.
$$x - 4 = 7$$
 $X = 13$
7. $-4 = a - X$
 $+ 7$
 $3 = c$

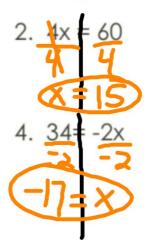
6.
$$x - (-4) = 12$$

 $x + y = 12$
8. $13 = c - (-3)$
 $13 = c + 3$
 $10 = c$



Examples: Multiplying/Dividing





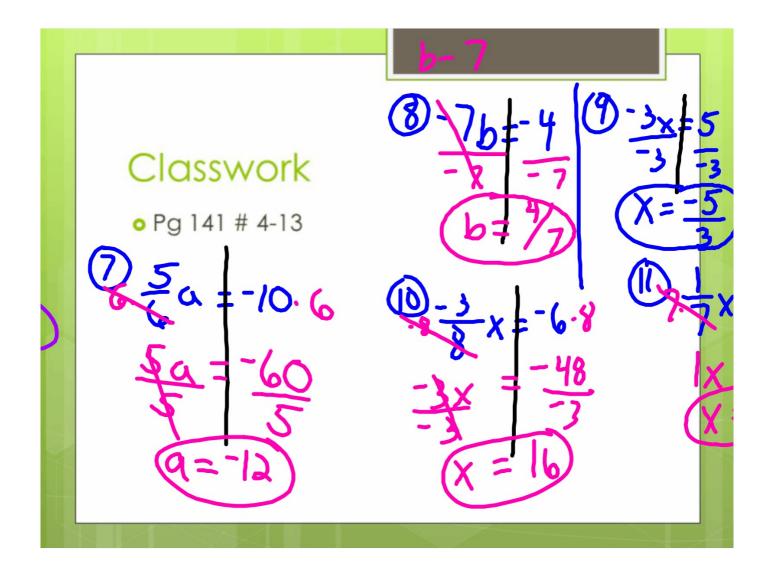
Examples: Multiplying/Dividing

$$5.5.\frac{x}{5} = 7.5$$

$$7. \frac{x}{4} = -7.4$$

$$x = -38$$

$$6.\frac{x}{3} = -8. - 3$$



Classwork - together

- o Pg 135 # 13-20 out loud
- o Pg 135 # 42-44
- o Pg 142 # 14-19- out loud
- o Pg 142 # 48-54

Homework

- o Pg 135 # 21-35
- o Pg 142 # 24-38