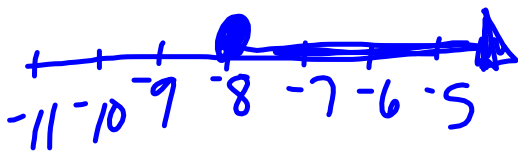


Warm-Up

February 20, 2018

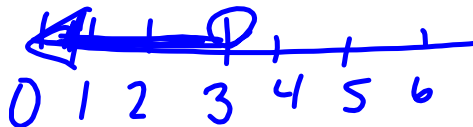
Graph the following:

A) $x \geq -8$

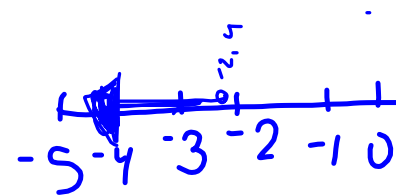


B) $3 > y$

$y < 3$



C) $r < -2.4$



10 Minutes to practice graphing...you **can mark on the sheet!**



Variables on Left!

Section 6.4 Solving Inequalities using addition and subtraction...

What you already know

$x - 4.5 = 6.2$

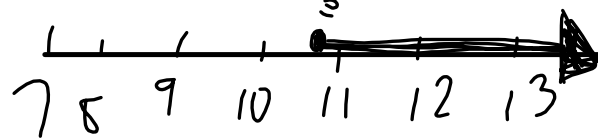
$x - 4.5 + 4.5 = 6.2 + 4.5$
 $x = 10.7$

Check	
L	R
$x - 4.5$	6.2
$10.7 - 4.5$	
6.2 ✓	

$x - 4.5 \geq 6.2$

$x - 4.5 + 4.5 \geq 6.2 + 4.5$
 $x \geq 10.7$

A. Graph



B. Verify

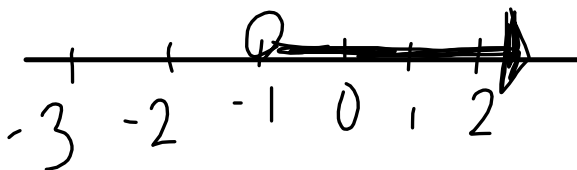
$$a + 4 > 3$$

$$a + 4 - 4 > 3 - 4$$

$$a > -1$$

A. Solve

B. Graph



Rewrite with variable on left side

$$13 \leq 4 + x$$

$$13 < x - 4$$

$$4 + x \geq 13$$

$$x - 4 > 13$$

$$x + 4 \geq 13$$

$$90 + 5d < 100 + 4d$$

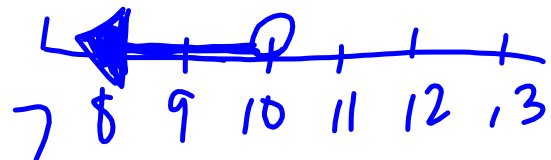
$$90 + 5d - 4d < 100 + 4d - 4d$$

$$90 + 1d < 100$$

$$90 - 90 + 1d < 100 - 90$$

$$1d < 10$$

$$1d + 90 < 100$$



A. Solve
B. Graph

$$7t - 4 > 3t + 12$$

$$7t - 3t - 4 > \boxed{3t - 3t + 12}$$

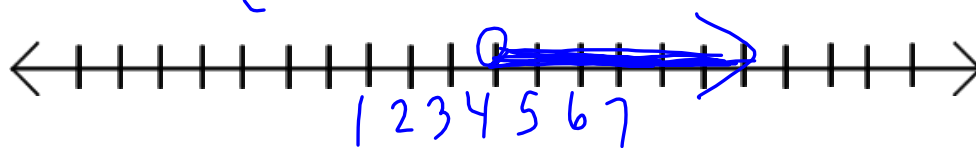
$$4t - 4 > 12$$

$$4t \boxed{-4+4} > 12 + 4$$

$$\frac{4t}{4} > \frac{16}{4}$$

$$t > 4$$

- Solve
- Graph



1. Worksheet 6, 12, 18, 19 20-31
32, 34, 35
36, 37

