

Warm-Up

February 22, 2016

Remember...Clear the fraction...LCM!

$$\begin{aligned}
 1. \quad & \overset{(6)}{\underline{5x}} = \overset{(6)}{11} + \overset{(6)}{\underline{2x}} \\
 & \qquad \qquad 2 \qquad \qquad \qquad 3 \qquad \qquad \qquad 66 + 4x = 15x \\
 & \frac{30x}{2} = 66 + \frac{12x}{3} \\
 & 15x = 66 + 4x \\
 & 15x - 4x = 66 + \boxed{4x - 4x} \\
 & \frac{11x}{11} = \frac{66}{11} \\
 & \qquad \qquad \qquad x = 6
 \end{aligned}$$

2. Write 2 values to make the inequality true...

A. $y < 6$
 $2, -33, 0$
 $2 < 6$
 $-33 < 6$
 $0 < 6$

B. $-4 \leq x$
 $x \geq -4$
 $0, -4, 3, 2, 3$

3. Solve, Graph and Verify

$$4x - 22 < -35$$

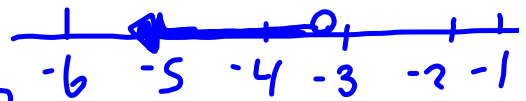
$$4x - 22 + 22 < -35 + 22$$

$$\frac{4x}{4} < \frac{-13}{4}$$

$$x < -3.25$$

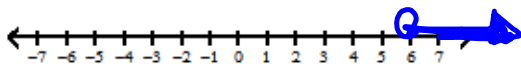
✓

L	R
$4(-4) - 22$	-35
$-16 - 22$	
$-36 < -35$	

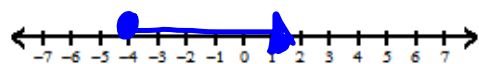


Draw a graph for each inequality.

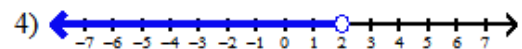
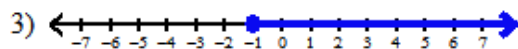
1) $a > 6$



2) $p \geq -4$



Write an inequality for each graph.



$$x \geq -1$$

$$x < 2$$

$$3 \geq -1$$

Bank account \geq want to buy

Page 293 #13 a, c, e

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7 all...solve then match

#8 all...solve and graph

#9 all...solve and graph

#13

Worksheet all questions

write on it

From Friday.