

Algebra 1 Bellwork Thursday, October 23, 2014

1. Graph this inequality on a number line. $19 > W$

Find the exact solution to each inequality and graph it on a number line.

3. $\frac{15}{8} \geq \frac{7}{16} - \frac{11}{12}B$

4. $12C + 20 < 5C$

Sol: _____

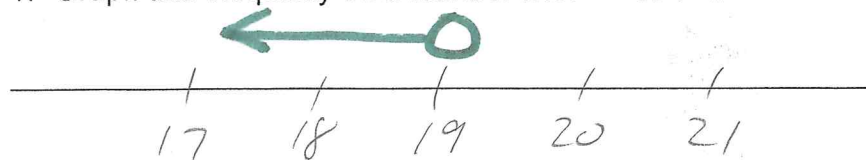
Sol: _____

Graph:

Graph:

5. Solve. $4 - 3(R - 2) - 5 + 8R > -1 + R - 6 + 4R$

6. Explain the difference between "4 greater than x" and $4 > x$

1. Graph this inequality on a number line. $19 > W$


Find the exact solution to each inequality and graph it on a number line.

3. $\left(\frac{15}{8} \geq \frac{7}{16} - \frac{11}{12}B\right) 48$

$$90 \geq 21 - 44B$$

$$-21 \quad -21$$

$$\frac{69}{-44} \geq \frac{-44B}{-44} \quad -\frac{69}{44} \leq B$$

Sol: $B \geq -\frac{69}{44}$

4. $12C + 20 < 5C$

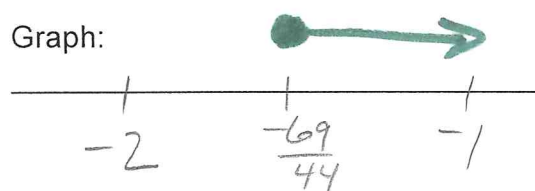
$$-12C \quad -12C$$

$$\frac{20}{-7} < \frac{-7C}{-7}$$

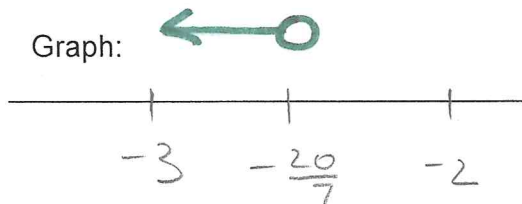
$$\frac{20}{-7} > C$$

Sol: $C < -\frac{20}{7}$

Graph:



Graph:


5. Solve. $4 - 3(R - 2) - 5 + 8R > -1 + R - 6 + 4R$

$$4 - 3R + 6 - 5 + 8R >$$

$$\frac{5R + 5}{-5R} > \frac{5R - 7}{-5R}$$

$$5 > -7 \quad \text{TRUE}$$

ALL REAL #'s

6. Explain the difference between "4 greater than x" and $4 > x$

"4 greater than x" means
where as

$$x + 4$$

$$4 > x \text{ means}$$

all #'s less than 4