Any homework Questions?

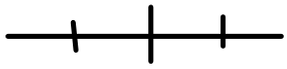
Classwork / Homework:

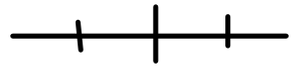
p. 298

4(ace)
#6(ad)
#7
#9(do not verify)

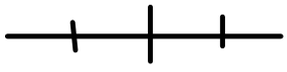
4. Which operation will you perform on each side of the inequality to isolate the variable?

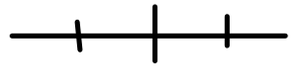
a) $a + 4 > 3$ **b)** $0 < -\frac{2}{3} + m$



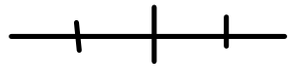


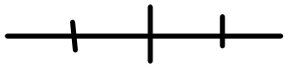
c) $r - 4 \geq -3$ **d)** $k - 4.5 \leq 5.7$





e) $s + \frac{3}{10} \leq -3$ **f)** $6.1 > 4.9 + z$

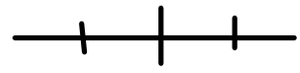




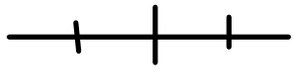
6. State three values of x that satisfy each inequality: one integer, one fraction, and one decimal.

a) $x + 3 \geq 7$

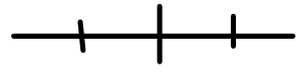
b) $x - 3 \leq 7$



c) $x + 7 < 3$



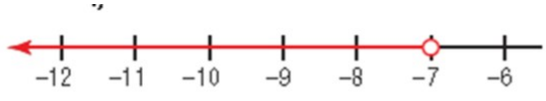
d) $x - 3 > 7$



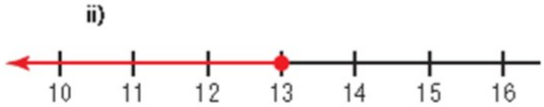
7. Match each inequality with the graph of its solution below. Is 3 a possible solution of each inequality? How can you find out?

a) $c - 2 > 2$ **b)** $8 \geq -5 + w$

c) $1 > r + 8$ **d)** $7 + m \leq -2$

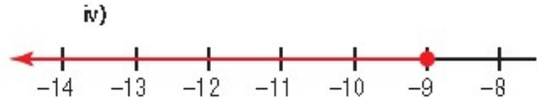


ii)



iii)

iv)



9. Solve each inequality. Graph the solution.
Show the steps in the solution.
Verify the solution by substituting 3 different numbers in each inequality.

a) $4t - 19 < 24 + 3t$ **b)** $3x < 2x - 11$

c) $5x - 7 < 4x + 4$

d) $2 + 3a \leq 2a - 5$

e) $1.7p + 2.8 \geq 0.7p - 7.6$ **f)** $2y + 13.3 \geq y - 24.1$