Warm-Up

- A. Draw a number line
- B. Give 4 possible solutions

$$0, -3^{\frac{1}{2}}$$
 386

$$r \ge -41/4$$
 $-\frac{1}{7} \cdot 6 \cdot 5 \cdot 4 \cdot 73 \cdot 2$
 $-3.2,0,58,364$

Homework questions???

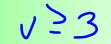
9. Match each equation or inequality with the graph of its solution below.

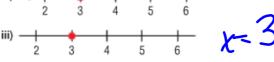
Justify your choice.

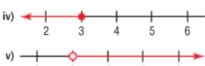


e)
$$V = 3$$



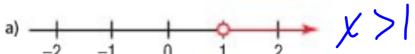


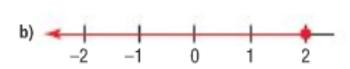




12. Write an inequality whose solution is graphed on the number line. In each case, are 1 and -3 solutions of the inequality? Explain.

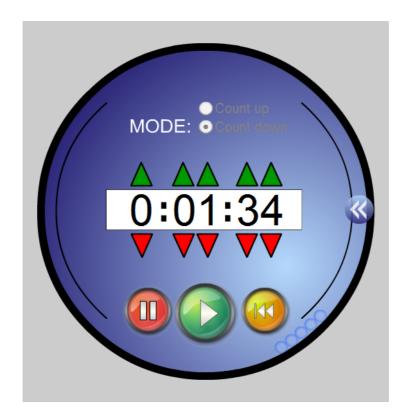
Page 293 Sketch graph
-3 and 1







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Section 6.4 Solving Inequalities using addition and subtraction...

What you already know

$$x-4.5=6.2$$
 $x-4.5 \ge 6.2$
 $x=4.5 \ge 6.2$
 $x=10.7$ $x \ge 10.7$
A. Graph
$$x-4.5 \ge 6.2$$

$$x=10.7$$
A. Graph
$$x-4.5 \ge 6.2$$

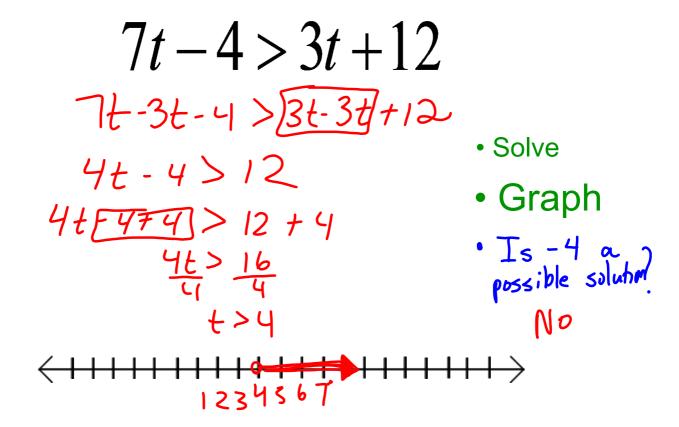
$$x=10.7$$
B. Verify [Check]

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Rewrite with variable on left side

$$13 \le 4 + x$$
 $4 + x \ge 13$
 $x + 4 \ge 13$

$$13 < x - 4$$
 $x - 4 > 13$
 $-4 + x > 13$



Page 293 #13 a, c, e

Page 298
#7 all solve then match

#8 solve and graph All!

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