

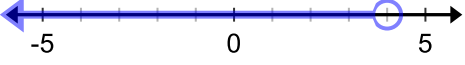
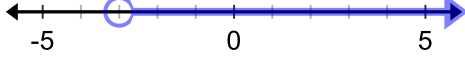
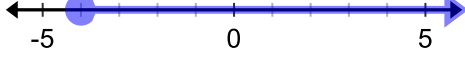
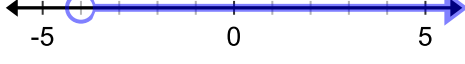
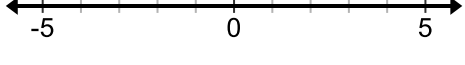

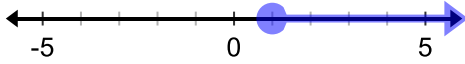
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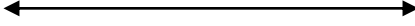

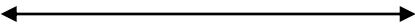
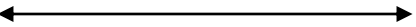
10.1 HOMEWORK: Solving Linear Inequalities (in 1 Variable)

Algebra I

Solve the following inequalities and write the letter of the corresponding graph.

1. $x + 5 \geq 6$	a) 
2. $-6x \leq 24$	b) 
3. $x + 4 > x - 3$	c) 
4. $5 < 3x + 14$	d) 
5. $\frac{x}{2} + 1 < 3$	e) NO SOLUTION 
6. $2x + 2 \geq 2x + 8$	f) ALL REAL NUMBERS 
7. $3(x + 1) > -9$	g) 

Solve the following inequalities and graph the solution on a number line.

8. $6 \geq 2y - 6$ 	9. $-9 \geq \frac{2}{5}x + 7$ 
10. $8 < 2(4 - p)$ 	11. $7x < 3 + 7(x - 1)$ 
12. $7 - \frac{2}{3}x \leq x - 8$ 	13. $\frac{1}{2}x + 3 > 2x - 6$ 

14. You are baking batches of cookies for a bake sale. Each batch requires 2.5 cups of flour. You only have 18 cups of flour. Write and solve an inequality to determine the greatest number of whole batches, b , you can bake. *Explain your answer.*