

Name: _____ Period: _____ Due _____







Score: ____ / ____
Percent: _____

Intermediate 1

Inequalities & Equations Review

Unit 6

Solve the following inequalities.

1. $8e \geq -64$	
2. $d - 13 \leq 26$	
3. $\frac{c}{3} \geq 2$	
4. $k + 2 > 5$	
5. $5t - 2 \geq 10$	
6. $-3x + 2 < 1$	

$$7. 15 - 3y + 8y > 50$$



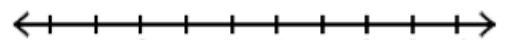
$$8. -3(r+2) \geq 4$$



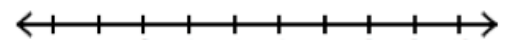
$$9. 28 \leq 9 + 7y + 5 - y$$



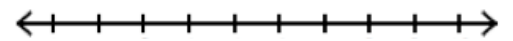
$$10. 23 > -4\left(f - \frac{1}{4}\right)$$



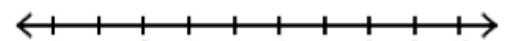
$$11. 15y - 3 \geq 1$$



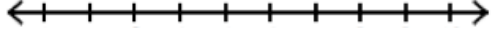
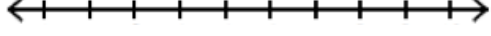


$$12. \frac{b}{8} + 14 > -2$$



$$13. 1 + \frac{c}{-4} < 12$$



<p>11. Jared has an old cell phone he has to buy minutes for. He has \$55 to spend and each minute costs \$0.49, what is the most minutes he can buy?</p>	
<p>12. Vicki owns a lemonade stand and charges \$0.10 per cup. If she wants to earn \$15 to spend on a video game, what is the minimum number of cups she needs to sell?</p>	
<p>13. Aimee wants to order some DVDs from Amazon. Each DVD costs \$8.49 and shipping for the entire order is \$5. She has only \$70 to spend. How many DVDs can she order?</p>	
<p>14. On vacation, Jocelyn wants to have her hair braided in multiple braids to cover her head. It costs a flat rate of \$3, plus \$0.85 per braid. She had saved \$32. How many braids can she get?</p>	

Solve the following equations.

15. $3(x - 4) = 12$

16. $2(y + 3) = 6$

17. $\frac{1}{2}t + 6 = 5$

18. $-11 = \frac{c}{8} + 2$

19. $2n + 7 = 10$

20. $-4m - 13 = 20$