

5.2 Solving and Graphing Inequalities

Name: _____

Period: _____

1. $-3x + 7 \geq -5$



2. $2x + 8 \geq -10$



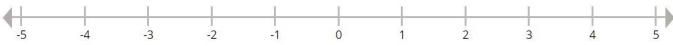
3. $-3x + 13 \geq -8$



4. $5 \leq \frac{1}{2}x + 3$



5. $5x + 5 \geq -10$



6. $4x + 3 \leq 3x + 5$



7. $-2x > 6$



8. $\frac{x-3}{2} \geq -5$



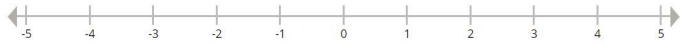
9. $3x + 7 > 4$



10. $-5 < 6x + 7$



11. $\frac{x}{2} + 4 > 2$



12. $-1 \leq \frac{x+4}{3}$



13. $6 - 4(6n + 7) \geq 122$



14. $167 < 6 + 7(2 - 7r)$



15. $5(6 + 3r) + 7 \geq 127$



16. $-1 - 6x - 6 > 11 - 7x$



17. $-8x + 2x - 16 < -5x + 7x$



18. $a - 6 \leq 15 + 8a$



Review:

19. Identify the form, slope, y-intercept, and x-intercept of the following equation.

$4x - 3y = 24$

20. Rewrite the equation in terms of a.

$2B + \frac{A}{C} = \frac{D}{F}$