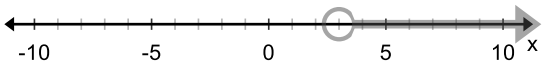
Name:_____ Date: _____ Period: _____ Score: _____/26

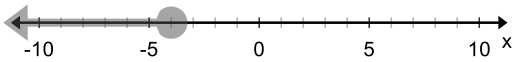
Unit 1 Day 6 - Solve Inequalities Assignment

Write the inequality for the solution graphed.

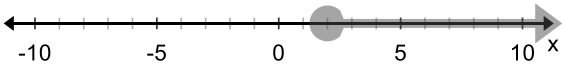
1)



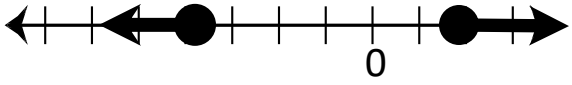
2)



3)

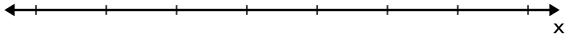


4)

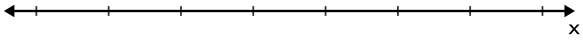


Graph each inequality or compound inequality.

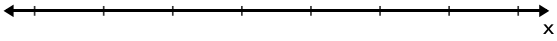
5) $x > 2$



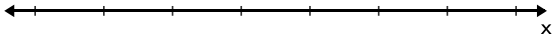
6) $x \geq -345$



7) $-5 \leq x < -2$

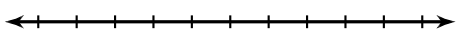


8) $x > -4$ and $x \leq 2$

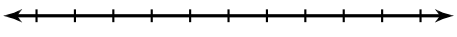


Solve each inequality and graph its solution.

9) $3 < -5n + 2n$

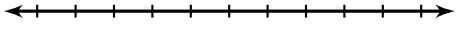


10) $6x + 2 + 6x < 14$



11) $-p - 4p > -10$

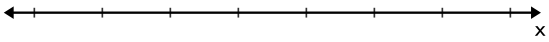
12) $-6(1 + 7k) + 7(1 + 5k) \leq -1$



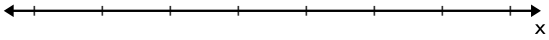
13) $-2(2-2x)-4(x+5)\leq -24$

14) $-3-6(4x+6)>-111$

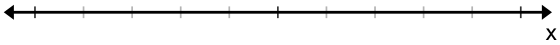
15) Graph $2 < x$



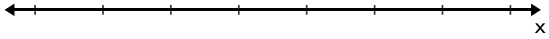
16) Graph $2 \leq x < 7$



17) Graph $-9 < x < -1$



18) Graph $0 \leq x < 3.5$



19) Explain in words what this inequality means: $100 \leq x \leq 101$

20) Explain in words what this inequality means: $x \leq 100 \ or \ x \geq 101$

"No matter how many mistakes you make or how slow you progress, you're still way ahead of anyone who isn't trying." Tony Robbins