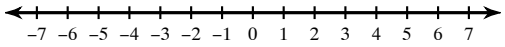
Algebra 1 Name_____ ID: 1

Inequalities Exam Study Guide

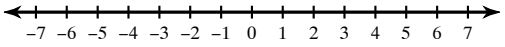
Period____

Draw a graph for each inequality.

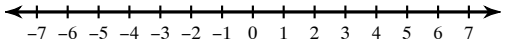
1) $m < -1$



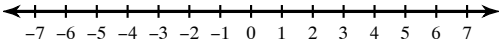
2) $n \geq 0$



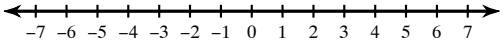
3) $x < -6$



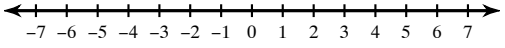
4) $p \leq 2$



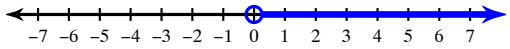
5) $r > 5$

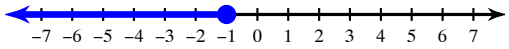


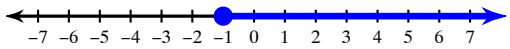
6) $x \geq -1$

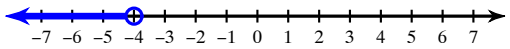


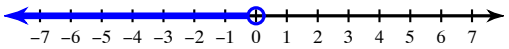
Write an inequality for each graph.

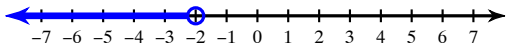
7) 

8) 

9) 

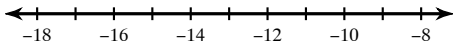
10) 

11) 

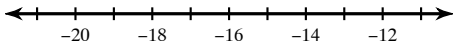
12) 

Solve each inequality and graph its solution.

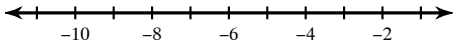
13) $-8 + 5v \geq -63$



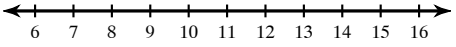
14) $6x - 9 \leq -123$



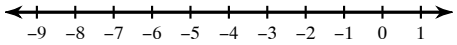
15) $30 < -10n - 10$



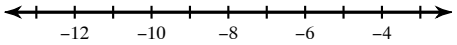
16) $\frac{b}{4} - 7 \leq -4$



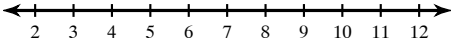
17) $-4a + 7a \leq -6$



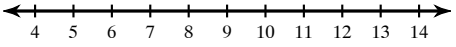
18) $15 \geq b + 3 - 3b$



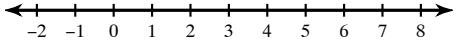
19) $-92 \geq 4(1 - 6p)$



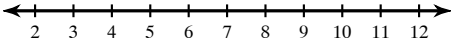
20) $6x + 7(7 + 8x) < 421$



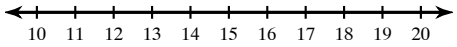
21) $-24 \leq -3(b + 7) + 8(6 - 6b)$



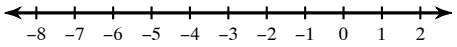
22) $-75 < -(-4p - 5) - 8(1 + 2p)$



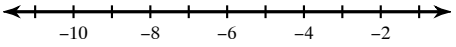
23) $21 \le -7(x + 1) + 7(x + 4)$



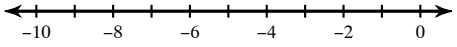
24) $70 > -2(x + 1) - 5(3x + 6)$



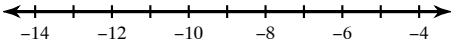
25) $3(p - 4) < 8p + 18$



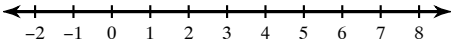
26) $-8(5 + 3x) \le 28 - 7x$



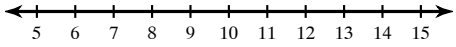
27) $-18 + 7x > 5(x - 6)$



28) $-5(7r + 7) + 5(7r + 7) > 7r + 5r$



29) $-(7 + 4x) + 5 > -3(x + 4)$



30) $-4(a - 1) - 3 \le -(3 + 5a)$