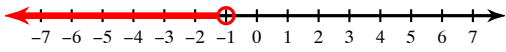


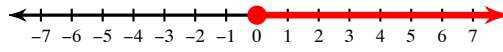
## Inequalities Exam Study Guide

Draw a graph for each inequality.

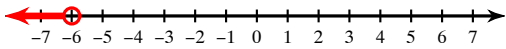
1)  $m < -1$



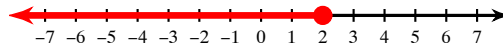
2)  $n \geq 0$



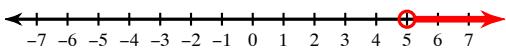
3)  $x < -6$



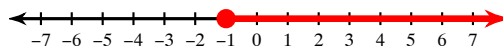
4)  $p \leq 2$



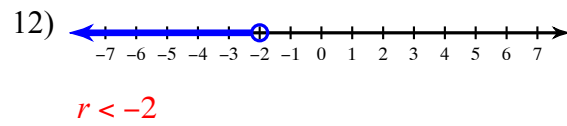
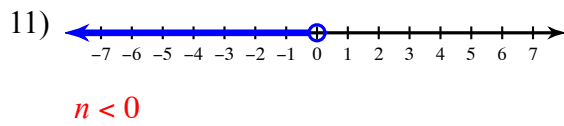
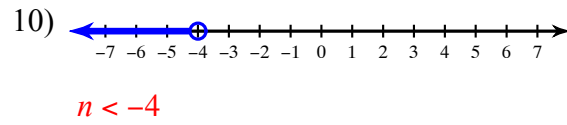
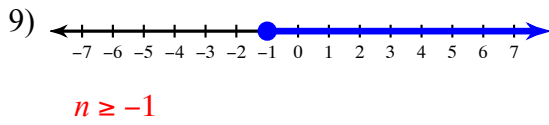
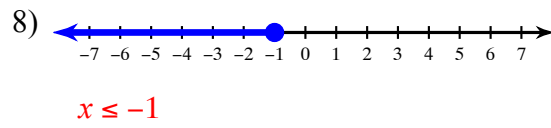
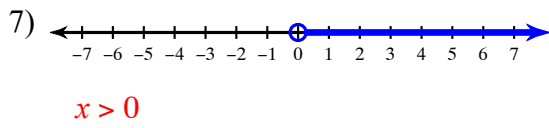
5)  $r > 5$



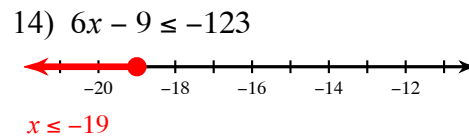
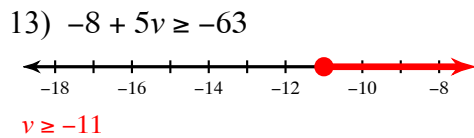
6)  $x \geq -1$



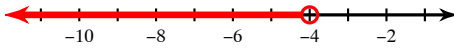
Write an inequality for each graph.



Solve each inequality and graph its solution.

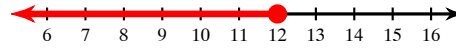


15)  $30 < -10n - 10$



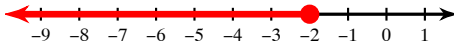
$n < -4$

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



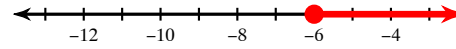
$b \leq 12$

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



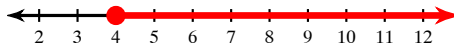
$a \leq -2$

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



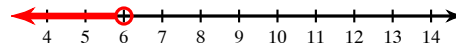
$b \geq -6$

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



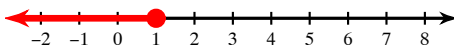
$p \geq 4$

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



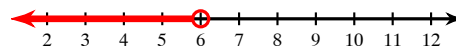
$x < 6$

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



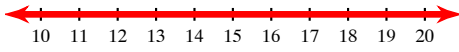
$b \leq 1$

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



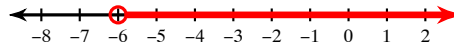
$p < 6$

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



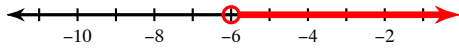
{ All real numbers. }

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



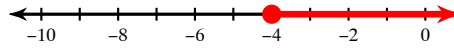
$x > -6$

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



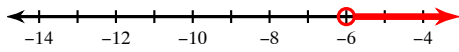
$p > -6$

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



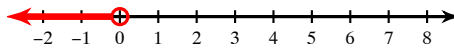
$x \geq -4$

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



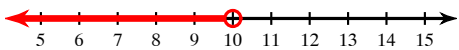
$x > -6$

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



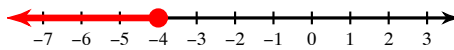
$r < 0$

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



$x < 10$

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



$a \leq -4$