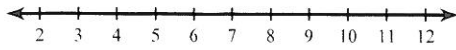


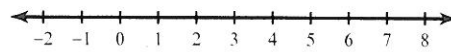
Solving Inequalities Assignment

Solve each inequality and graph its solution.

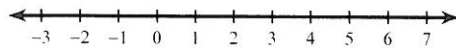
1) $x + 8 \geq 17$



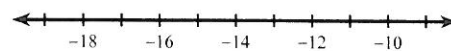
2) $-3 + r > -3$



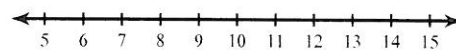
3) $p - 3 \geq -2$



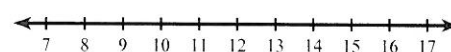
4) $n + 7 > -6$



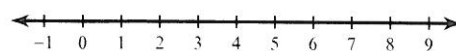
5) $-13 + m \leq -6$



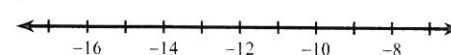
6) $n - 2 > 8$



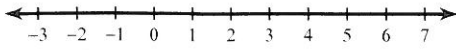
7) $-10 + v \geq -9$



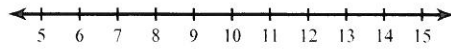
8) $x - 6 < -20$



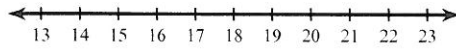
9) $v + 17 > 22$



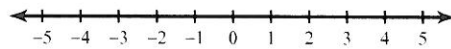
10) $x + 19 \leq 31$



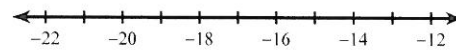
11) $b - 3 \geq 17$



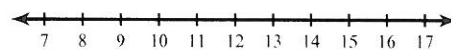
12) $p - 8 \geq -6$



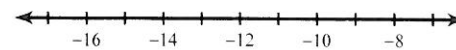
13) $b + 15 < -2$



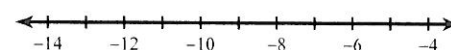
14) $0 \leq m - 10$



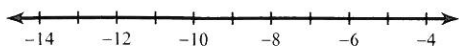
15) $-22 \geq v - 12$



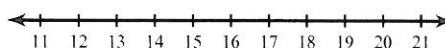
16) $-12 + x < -20$



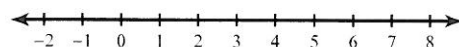
$$17) -22 \leq b - 12$$



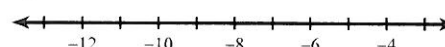
$$18) -2 < k - 19$$



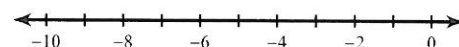
$$19) -13 \geq -18 + x$$



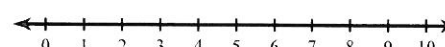
$$20) 2 \geq k + 9$$



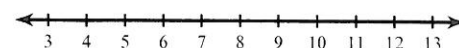
$$21) 179 \leq -7(8p + 3) + 6p$$



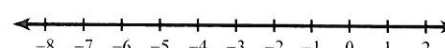
$$22) 3(1 - 4p) > -81$$



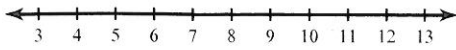
$$23) -404 \leq -4 + 8(6 - 8x)$$



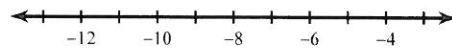
$$24) -4(5r - 8) \leq 112$$



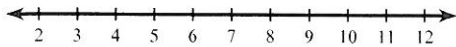
$$25) -5(4 + 3a) > -140$$



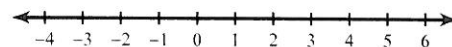
$$26) -296 > -8(-6n + 7)$$



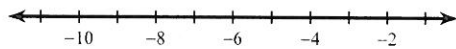
$$27) -90 > -5a - 7(a + 6)$$



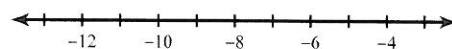
$$28) 6(8n - 8) < 144$$



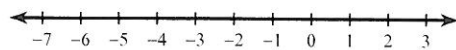
$$29) 85 > 5x - 8(x - 8)$$



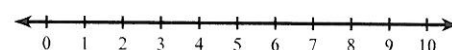
$$30) 3(-7 + 4v) \geq -81$$



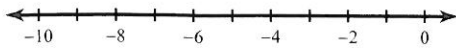
$$31) 6(6p + 8) > 4(5p - 8)$$



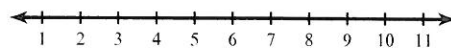
$$32) 2(x + 4) - 10 \geq -2(1 - x)$$



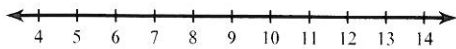
$$33) 5(-4n - 1) > -7(n - 3)$$



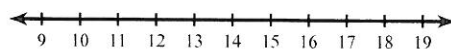
$$34) 5(1 - n) + 7 \geq 4(n - 6)$$



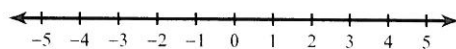
$$35) -6n + 2(3 - 6n) \leq -7n - 2(2 + 5n)$$



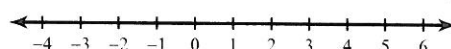
$$36) -5(7 - r) > 5(r - 2)$$



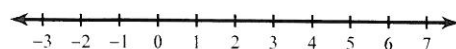
$$37) 8(r - 1) > 4(3r - 3)$$



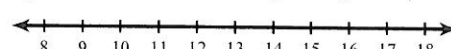
$$38) -2(8n + 4) + 1 \leq 3n - (-8 + 4n)$$



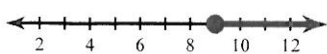
$$39) -2(4 + 4b) \geq -(1 + 2b) + b$$



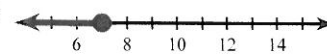
$$40) 1 + 3n - 5n > -8(1 + n) - 3(7 - 3n)$$




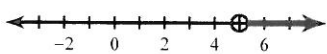
Answers to Solving Inequalities Assignment

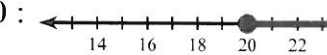
1) $x \geq 9$:  $[9, \infty[$

3) $p \geq 1$:  $[1, \infty[$

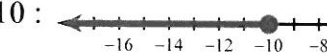
5) $m \leq 7$:  $]-\infty, 7]$

7) $v \geq 1$:  $[1, \infty[$

9) $v > 5$:  $]5, \infty[$

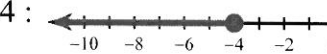
11) $b \geq 20$:  $[20, \infty[$

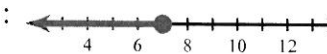
13) $b < -17$:  $]-\infty, -17[$


15) $v \leq -10$:  $]-\infty, -10]$


17) $b \geq -10$:  $[-10, \infty[$

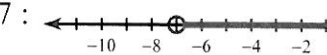
19) $x \leq 5$:  $]-\infty, 5]$

21) $p \leq -4$:  $]-\infty, -4]$

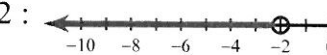
23) $x \leq 7$:  $]-\infty, 7]$

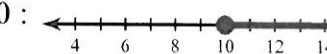
25) $a < 8$:  $]-\infty, 8[$

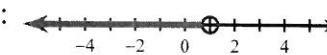
27) $a > 4$:  $]4, \infty[$


29) $x > -7$:  $] -7, \infty[$

31) $p > -5$:  $] -5, \infty[$

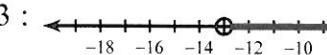
33) $n < -2$:  $]-\infty, -2[$

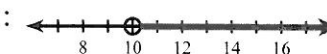
35) $n \geq 10$:  $[10, \infty[$

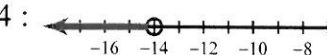
37) $r < 1$:  $]-\infty, 1[$


39) $b \leq -1$:  $]-\infty, -1]$

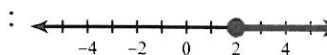
2) $r > 0$:  $]0, \infty[$


4) $n > -13$:  $] -13, \infty[$

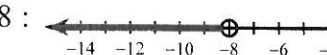
6) $n > 10$:  $]10, \infty[$

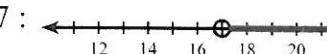
8) $x < -14$:  $]-\infty, -14[$

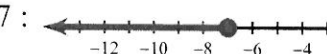
10) $x \leq 12$:  $]-\infty, 12]$


12) $p \geq 2$:  $[2, \infty[$


14) $m \geq 10$:  $[10, \infty[$

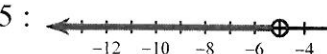
16) $x < -8$:  $]-\infty, -8[$


18) $k > 17$:  $]17, \infty[$

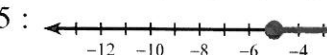
20) $k \leq -7$:  $]-\infty, -7]$


22) $p < 7$:  $]-\infty, 7[$

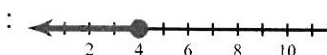
24) $r \geq -4$:  $[-4, \infty[$

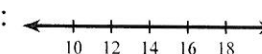
26) $n < -5$:  $]-\infty, -5[$


28) $n < 4$:  $]-\infty, 4[$

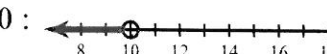
30) $v \geq -5$:  $[-5, \infty[$

32) { All real numbers. } :  $]-\infty, \infty[$

34) $n \leq 4$:  $]-\infty, 4]$

36) No solution. :  \emptyset

38) $n \geq -1$:  $[-1, \infty[$

40) $n < 10$:  $]-\infty, 10[$