

14-05-07-T7

Solve each inequality and graph its solution.

1) $-3 - 3n < -2 - 3n$

2) $-x - 2 > 4 + 2x$

3) $b + 4 \geq 3b + 2$

4) $-x + 2x \geq -3x + 2x + 4$

5) $x + 2 \leq x + 1$

6) $-2n + n \geq 3 - 2n$

7) $8 - 2x \leq 2(1 - 2x)$

8) $-5 + 2x < -(2 - 3x)$

9) $-n - 4 < -(1 - n) - n$

10) $-3(m - 3) - 2m \geq m + 15$

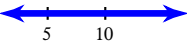
11) $-3 + x \leq -(2x - 3)$

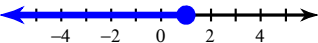
12) $12 + 2v \leq -2(2v + 3)$

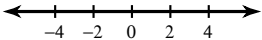
13) $-3(x + 1) \geq -(-3x - 3)$

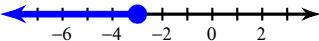
14) $2(-n - 2) > -n - 2(2 + 2n)$

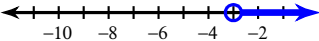
Answers to 14-05-07-T7

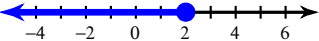
1) { All real numbers. } : 

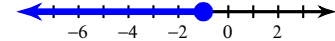
3) $b \leq 1$: 

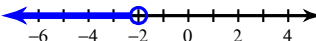
5) No solution. : 

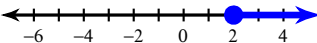
7) $x \leq -3$: 

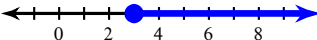
9) $n > -3$: 

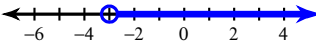
11) $x \leq 2$: 

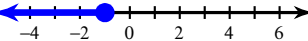
13) $x \leq -1$: 

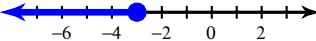
2) $x < -2$: 

4) $x \geq 2$: 

6) $n \geq 3$: 

8) $x > -3$: 

10) $m \leq -1$: 

12) $v \leq -3$: 

14) $n > 0$: 