

Solving Inequalities with variable on both sides.

Date _____ Period _____

Solve each inequality and graph its solution.

1) $4 + 6x \leq x + 6x$

2) $m + 16 > 8m + 2$

3) $2r - 5 > 2r - 5$

4) $5x - 1 \geq 13 - 2x$

5) $6 - 4n < -1 - 4n$

6) $-7n + 3n > -9 - 7n$

7) $1 + 2m \geq 8 + m$

8) $p - 1 > 13 + 3p$

9) $7b + 3b > -8 + 6b$

10) $2b - 7 \geq -14 + 2b$

11) $-3k - 2 \geq -k + 10$

12) $-8x - 3 > -3 - 8x$

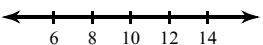
13) $7 + 6x \geq 7x + 6x$

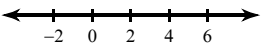
14) $-15 + 8x > 8x - 3x$

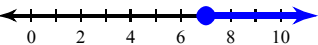
15) $-15 - 2n > -8n + n$

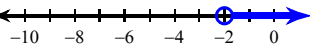
Answers to Solving Inequalities with variable on both sides. (ID: 1)

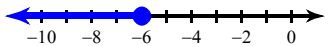
1) $x \geq 4$: 

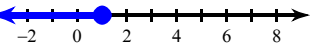
3) No solution. : 

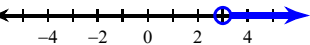
5) No solution. : 

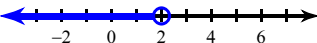
7) $m \geq 7$: 

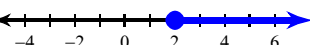
9) $b > -2$: 

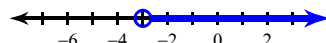
11) $k \leq -6$: 

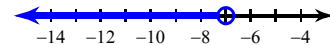
13) $x \leq 1$: 

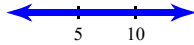
15) $n > 3$: 

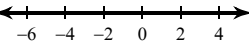
2) $m < 2$: 

4) $x \geq 2$: 

6) $n > -3$: 

8) $p < -7$: 

10) { All real numbers. } : 

12) No solution. : 

14) $x > 5$: 