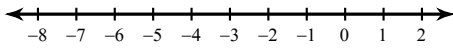


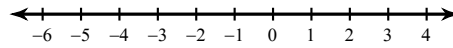
Multi-Step Inequalities

Solve each inequality and graph its solution.

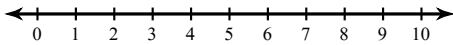
1) $3 < -5n + 2n$



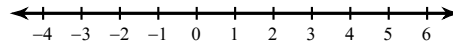
2) $6x + 2 + 6x < 14$



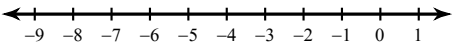
3) $-p - 4p > -10$



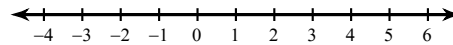
4) $18 \geq 5k + 4k$



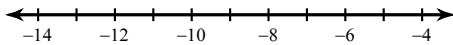
5) $9 \geq -2m + 2 - 3$



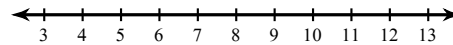
6) $-3 - 6(4x + 6) > -111$



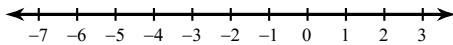
7) $6 - 4(6n + 7) \geq 122$



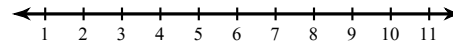
8) $-138 \geq -6(6b - 7)$



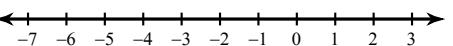
9) $167 < 6 + 7(2 - 7r)$



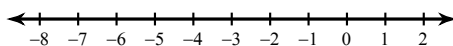
10) $5(6 + 3r) + 7 \geq 127$



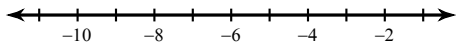
11) $-8x + 2x - 16 < -5x + 7x$



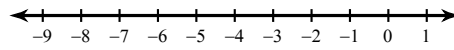
12) $-1 - 6x - 6 > -11 - 7x$



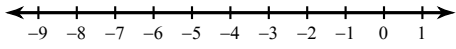
$$13) a - 6 \leq 15 + 8a$$



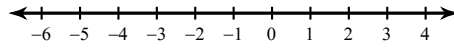
$$14) 13 + 2v - 8 + 6 > -7 - v$$



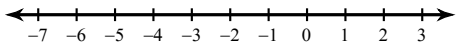
$$15) -5n - 6n \leq 8 - 8n - n$$



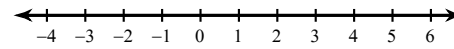
$$16) -x < -x + 7(x - 2)$$



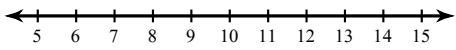
$$17) -5n + 6 \geq -7(5n - 6) - 6n$$



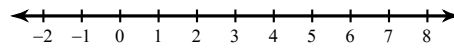
$$18) 3(p - 3) - 5p > -3p - 6$$



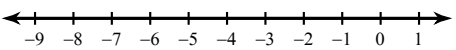
$$19) 28 - k \geq 7(k - 4)$$



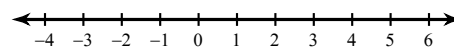
$$20) 28 - 7x \leq -4(-7x - 7)$$



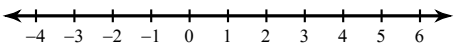
$$21) -6(1 + 7k) + 7(1 + 6k) \leq -2$$



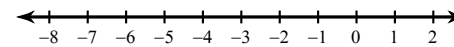
$$22) -2(2 - 2x) - 4(x + 5) \leq -24$$



$$23) 3(1 - 2x) > 3 - 6x$$



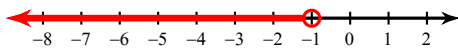
$$24) -2(5 + 6n) < 6(8 - 2n)$$



Multi-Step Inequalities

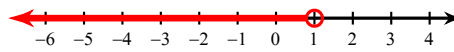
Solve each inequality and graph its solution.

1) $3 < -5n + 2n$



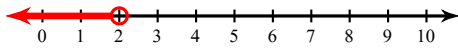
$n < -1$

2) $6x + 2 + 6x < 14$



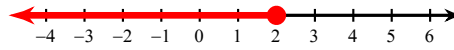
$x < 1$

3) $-p - 4p > -10$



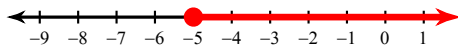
$p < 2$

4) $18 \geq 5k + 4k$



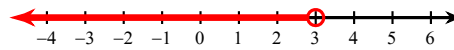
$k \leq 2$

5) $9 \geq -2m + 2 - 3$



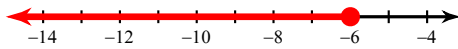
$m \geq -5$

6) $-3 - 6(4x + 6) > -111$



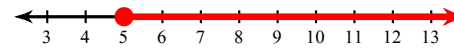
$x < 3$

7) $6 - 4(6n + 7) \geq 122$



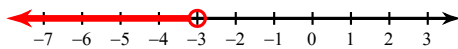
$n \leq -6$

8) $-138 \geq -6(6b - 7)$



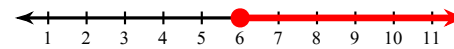
$b \geq 5$

9) $167 < 6 + 7(2 - 7r)$



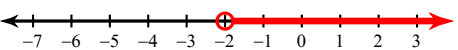
$r < -3$

10) $5(6 + 3r) + 7 \geq 127$



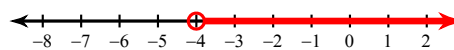
$r \geq 6$

11) $-8x + 2x - 16 < -5x + 7x$



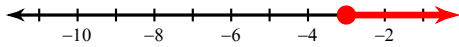
$x > -2$

12) $-1 - 6x - 6 > -11 - 7x$



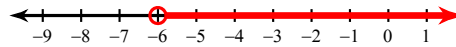
$x > -4$

$$13) a - 6 \leq 15 + 8a$$



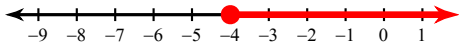
$$a \geq -3$$

$$14) 13 + 2v - 8 + 6 > -7 - v$$



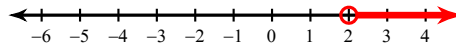
$$v > -6$$

$$15) -5n - 6n \leq 8 - 8n - n$$



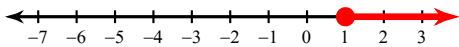
$$n \geq -4$$

$$16) -x < -x + 7(x - 2)$$



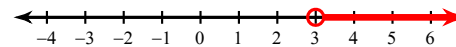
$$x > 2$$

$$17) -5n + 6 \geq -7(5n - 6) - 6n$$



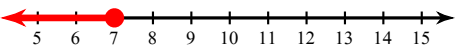
$$n \geq 1$$

$$18) 3(p - 3) - 5p > -3p - 6$$



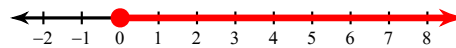
$$p > 3$$

$$19) 28 - k \geq 7(k - 4)$$



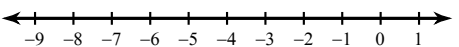
$$k \leq 7$$

$$20) 28 - 7x \leq -4(-7x - 7)$$



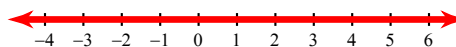
$$x \geq 0$$

$$21) -6(1 + 7k) + 7(1 + 6k) \leq -2$$



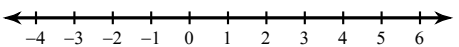
No solution.

$$22) -2(2 - 2x) - 4(x + 5) \leq -24$$



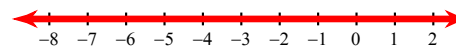
{ All real numbers. }

$$23) 3(1 - 2x) > 3 - 6x$$



No solution.

$$24) -2(5 + 6n) < 6(8 - 2n)$$



{ All real numbers. }