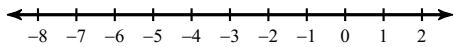


## Solving Inequalities

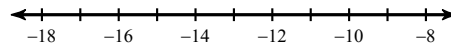
Date \_\_\_\_\_ Period \_\_\_\_\_

Solve each inequality and graph its solution.

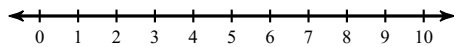
1)  $21 > -7n$



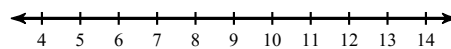
2)  $16 + x < 6$



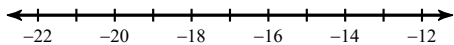
3)  $\frac{1}{4} \geq \frac{x}{8}$



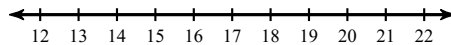
4)  $19 \geq p + 8$



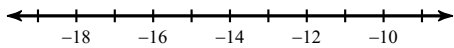
5)  $-51 < 3b$



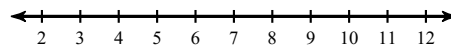
6)  $x - (-11) \geq 28$



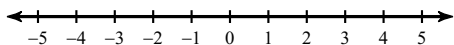
7)  $v - 19 \geq -36$



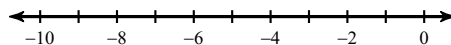
8)  $x + 5 + 8 < 20$



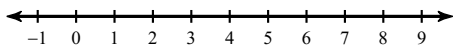
9)  $1 - 5b + 1 < 17$



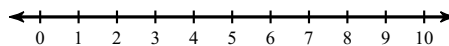
10)  $10 > 3r - 5r$



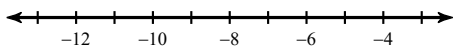
$$11) 11 \geq 6v + 6 - v$$



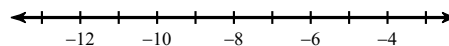
$$12) 5n - 2 + 4 > 17$$



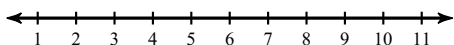
$$13) -186 > -5(1 - 5n) - 6$$



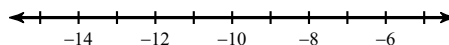
$$14) 3p + 6(-4p + 3) > 123$$



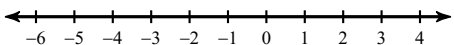
$$15) 5(-3n - 6) > -150$$



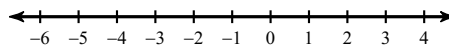
$$16) 7(4 - 2b) + b \leq 119$$



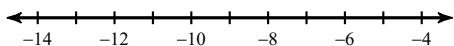
$$17) 4 - 5n < 8 - 4n$$



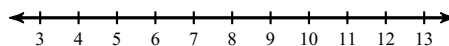
$$18) 1 - 8n < -9 + 2n$$



$$19) 3x - 1 \geq 5x + 15$$



$$20) -16 + 2k + 6 - 3 \geq k - 8$$

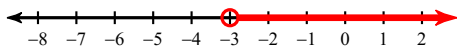


## Solving Inequalities

Date \_\_\_\_\_ Period \_\_\_\_\_

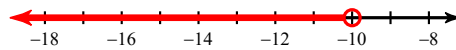
Solve each inequality and graph its solution.

1)  $21 > -7n$



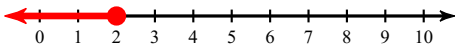
$n > -3$

2)  $16 + x < 6$



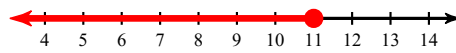
$x < -10$

3)  $\frac{1}{4} \geq \frac{x}{8}$



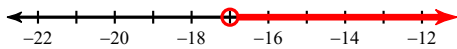
$x \leq 2$

4)  $19 \geq p + 8$



$p \leq 11$

5)  $-51 < 3b$



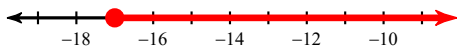
$b > -17$

6)  $x - (-11) \geq 28$



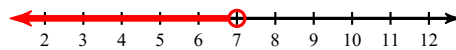
$x \geq 17$

7)  $v - 19 \geq -36$



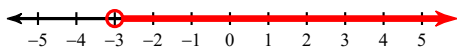
$v \geq -17$

8)  $x + 5 + 8 < 20$



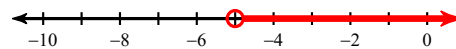
$x < 7$

9)  $1 - 5b + 1 < 17$



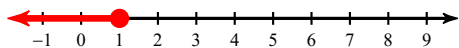
$b > -3$

10)  $10 > 3r - 5r$



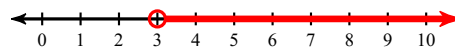
$r > -5$

$$11) 11 \geq 6v + 6 - v$$



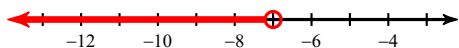
$$v \leq 1$$

$$12) 5n - 2 + 4 > 17$$



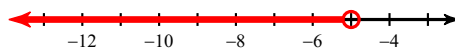
$$n > 3$$

$$13) -186 > -5(1 - 5n) - 6$$



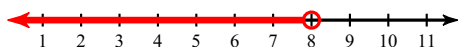
$$n < -7$$

$$14) 3p + 6(-4p + 3) > 123$$



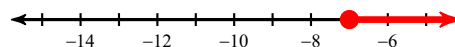
$$p < -5$$

$$15) 5(-3n - 6) > -150$$



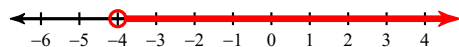
$$n < 8$$

$$16) 7(4 - 2b) + b \leq 119$$



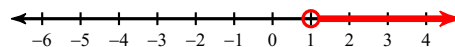
$$b \geq -7$$

$$17) 4 - 5n < 8 - 4n$$



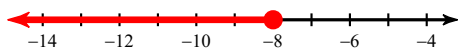
$$n > -4$$

$$18) 1 - 8n < -9 + 2n$$



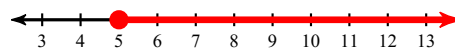
$$n > 1$$

$$19) 3x - 1 \geq 5x + 15$$



$$x \leq -8$$

$$20) -16 + 2k + 6 - 3 \geq k - 8$$



$$k \geq 5$$