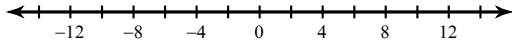


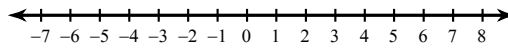
## Absolute Value Inequalities

Solve each inequality and graph its solution.

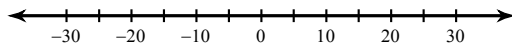
1)  $\left| \frac{n}{4} \right| \leq 3$



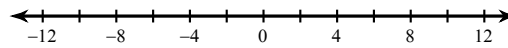
2)  $|-9v| \leq 54$



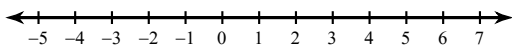
3)  $\left| \frac{x}{6} \right| \geq 5$



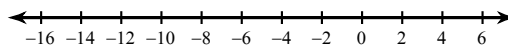
4)  $|-6b| \leq 60$



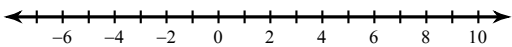
5)  $|-8n| < 32$



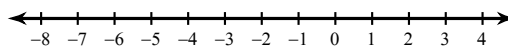
6)  $|x + 5| < 9$



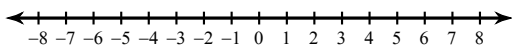
7)  $|4v - 9| \leq 27$



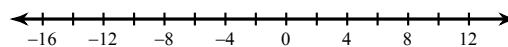
8)  $|10 + 4x| < 14$



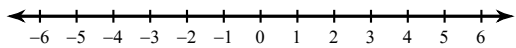
9)  $|3 - 9a| \leq 60$



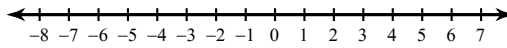
10)  $|7x + 4| \geq 74$



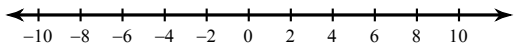
$$11) |n| - 3 > -2$$



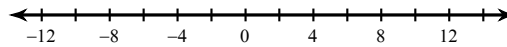
$$12) |k| - 6 \leq -1$$



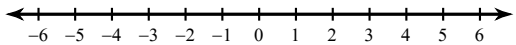
$$13) |n| + 4 < 12$$



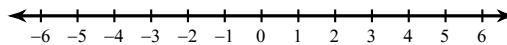
$$14) |x| + 7 > 16$$



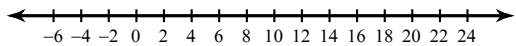
$$15) |p| - 3 \leq 0$$



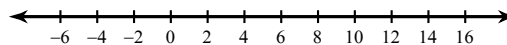
$$16) |m| + 5 < 9$$



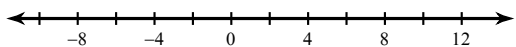
$$17) |b - 8| + 10 > 22$$



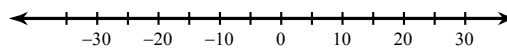
$$18) \frac{|x - 4|}{5} \leq 2$$



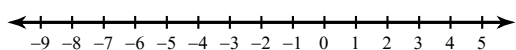
$$19) -3 + |n - 2| > 5$$



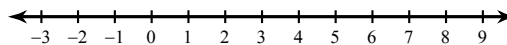
$$20) \frac{|3 + r|}{7} \leq 5$$



$$21) \frac{|2 + 3x|}{2} \geq 5$$



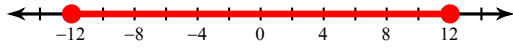
$$22) 8 + |4v - 7| \geq 17$$



## Absolute Value Inequalities

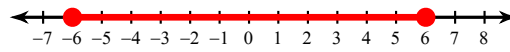
Solve each inequality and graph its solution.

1)  $\left|\frac{n}{4}\right| \leq 3$



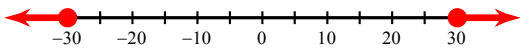
$-12 \leq n \leq 12$

2)  $|-9v| \leq 54$



$-6 \leq v \leq 6$

3)  $\left|\frac{x}{6}\right| \geq 5$



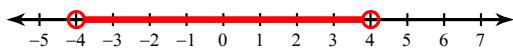
$x \geq 30$  or  $x \leq -30$

4)  $|-6b| \leq 60$



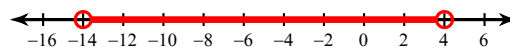
$-10 \leq b \leq 10$

5)  $|-8n| < 32$



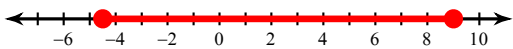
$-4 < n < 4$

6)  $|x + 5| < 9$



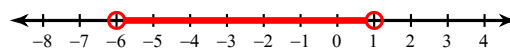
$-14 < x < 4$

7)  $|4v - 9| \leq 27$



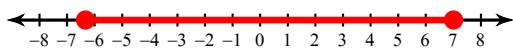
$-\frac{9}{2} \leq v \leq 9$

8)  $|10 + 4x| < 14$



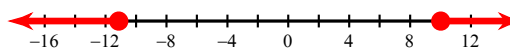
$-6 < x < 1$

9)  $|3 - 9a| \leq 60$



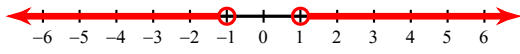
$-\frac{19}{3} \leq a \leq 7$

10)  $|7x + 4| \geq 74$



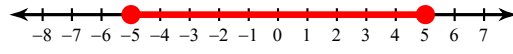
$x \geq 10$  or  $x \leq -\frac{78}{7}$

$$11) |n| - 3 > -2$$



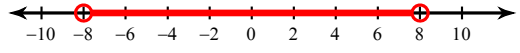
$$n > 1 \text{ or } n < -1$$

$$12) |k| - 6 \leq -1$$



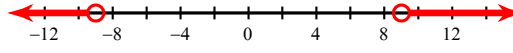
$$-5 \leq k \leq 5$$

$$13) |n| + 4 < 12$$



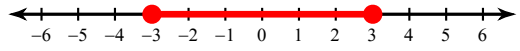
$$-8 < n < 8$$

$$14) |x| + 7 > 16$$



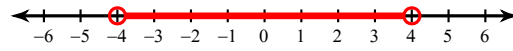
$$x > 9 \text{ or } x < -9$$

$$15) |p| - 3 \leq 0$$



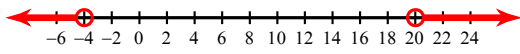
$$-3 \leq p \leq 3$$

$$16) |m| + 5 < 9$$



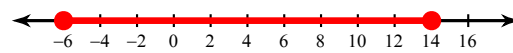
$$-4 < m < 4$$

$$17) |b - 8| + 10 > 22$$



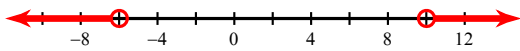
$$b > 20 \text{ or } b < -4$$

$$18) \frac{|x - 4|}{5} \leq 2$$



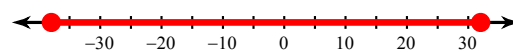
$$-6 \leq x \leq 14$$

$$19) -3 + |n - 2| > 5$$



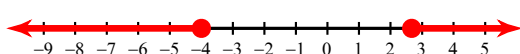
$$n > 10 \text{ or } n < -6$$

$$20) \frac{|3 + r|}{7} \leq 5$$



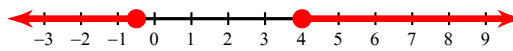
$$-38 \leq r \leq 32$$

$$21) \frac{|2 + 3x|}{2} \geq 5$$



$$x \geq \frac{8}{3} \text{ or } x \leq -4$$

$$22) 8 + |4v - 7| \geq 17$$



$$v \geq 4 \text{ or } v \leq -\frac{1}{2}$$