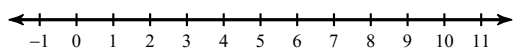


## OR Absolute Value Inequalities

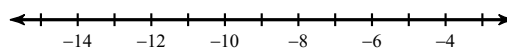
Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each inequality and graph its solution.**

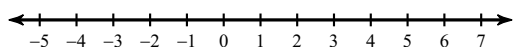
1)  $|p - 4| > 2$



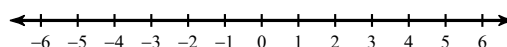
2)  $|8 + n| > 1$



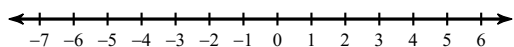
3)  $|-2v| \geq 4$



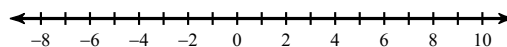
4)  $|8b - 10| > 2$



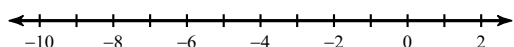
5)  $|6x - 4| > 16$



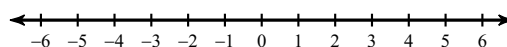
6)  $|6m - 10| \geq 32$



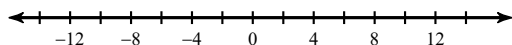
7)  $7 + |x + 5| > 8$



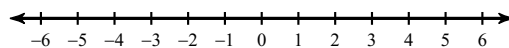
8)  $|-9r| + 10 > -89$



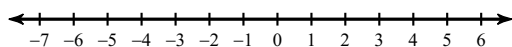
9)  $8\left|\frac{x}{10}\right| \geq 8$



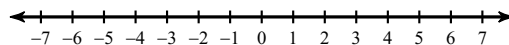
10)  $5|-9x| - 9 \geq 36$



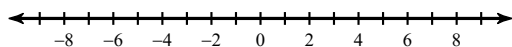
11)  $2\left|\frac{k}{6}\right| - 10 \geq -9$



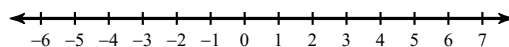
12)  $5 + 4|-6m| \geq 53$



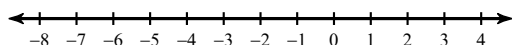
13)  $3|7b - 2| \geq 111$



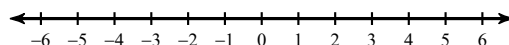
14)  $|-n - 7| + 4 \geq -10$



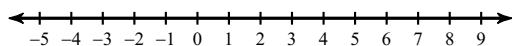
15)  $5 + |-10 - 9b| \geq 31$



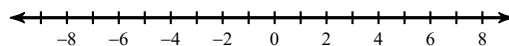
16)  $9 + 5|7m - 2| \geq 69$



17)  $10|7 - 3x| + 8 > 88$



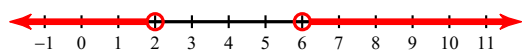
18)  $2|8b + 8| - 8 \geq 72$



## OR Absolute Value Inequalities

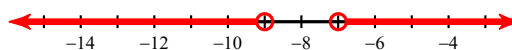
**Solve each inequality and graph its solution.**

1)  $|p - 4| > 2$



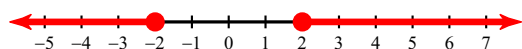
$p < 2 \text{ or } p > 6$

2)  $|8 + n| > 1$



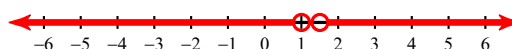
$n < -9 \text{ or } n > -7$

3)  $|-2v| \geq 4$



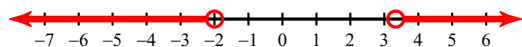
$v \leq -2 \text{ or } v \geq 2$

4)  $|8b - 10| > 2$



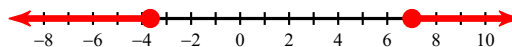
$b < 1 \text{ or } b > 1.5$

5)  $|6x - 4| > 16$



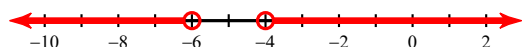
$x < -2 \text{ or } x > \frac{10}{3}$

6)  $|6m - 10| \geq 32$



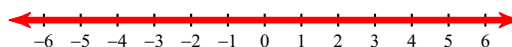
$m \leq -4 \text{ or } m \geq 7$

7)  $7 + |x + 5| > 8$



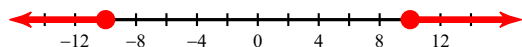
$x < -6 \text{ or } x > -4$

8)  $|-9r| + 10 > -89$



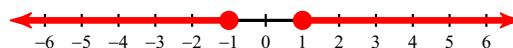
{ All real numbers. }

$$9) 8 \left| \frac{x}{10} \right| \geq 8$$



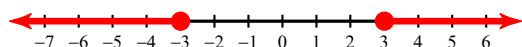
$$x \geq 10 \text{ or } x \leq -10$$

$$10) 5|-9x| - 9 \geq 36$$



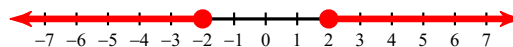
$$x \leq -1 \text{ or } x \geq 1$$

$$11) 2 \left| \frac{k}{6} \right| - 10 \geq -9$$



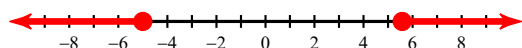
$$k \geq 3 \text{ or } k \leq -3$$

$$12) 5 + 4|-6m| \geq 53$$



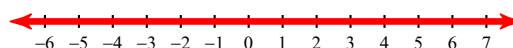
$$m \leq -2 \text{ or } m \geq 2$$

$$13) 3|7b - 2| \geq 111$$



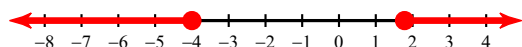
$$b \geq \frac{39}{7} \text{ or } b \leq -5$$

$$14) |-n - 7| + 4 \geq -10$$



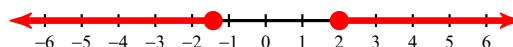
$$\{ \text{All real numbers.} \}$$

$$15) 5 + |-10 - 9b| \geq 31$$



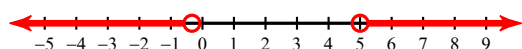
$$b \leq -4 \text{ or } b \geq \frac{16}{9}$$

$$16) 9 + 5|7m - 2| \geq 69$$



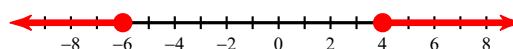
$$m \geq 2 \text{ or } m \leq -\frac{10}{7}$$

$$17) 10|7 - 3x| + 8 > 88$$



$$x < -\frac{1}{3} \text{ or } x > 5$$

$$18) 2|8b + 8| - 8 \geq 72$$



$$b \geq 4 \text{ or } b \leq -6$$