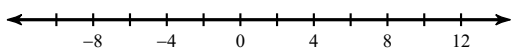


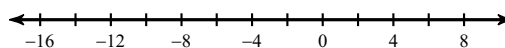
AND Absolute Value Inequalities

Solve each inequality and graph its solution.

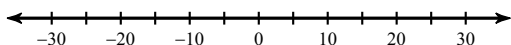
1) $|-4m| < 40$



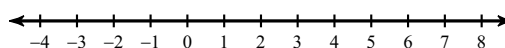
2) $|n + 4| < 11$



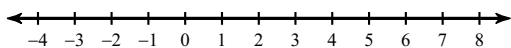
3) $\left|\frac{x}{10}\right| \leq 3$



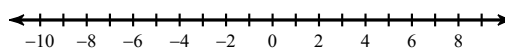
4) $|5n - 5| \leq 5$



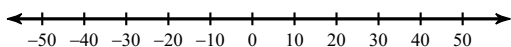
5) $|3b - 7| \leq 5$



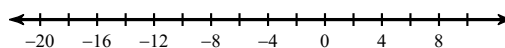
6) $|8x + 1| < 63$



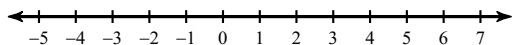
7) $\frac{|x - 2|}{10} \leq 5$



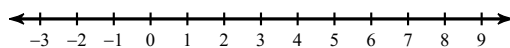
8) $|v + 4| + 6 \leq 20$



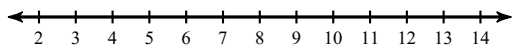
9) $2\left|\frac{x}{2}\right| \leq -8$



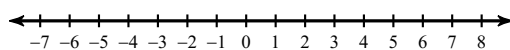
10) $10|-4 + r| - 2 < 28$



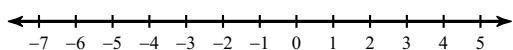
11) $4|-10 + m| - 9 \leq -5$



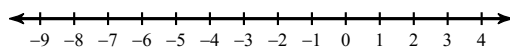
12) $4\left|\frac{n}{10}\right| + 8 < 10$



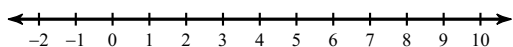
13) $|2n - 5| - 1 < -28$



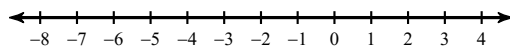
14) $\frac{|6v + 10|}{6} \leq 5$



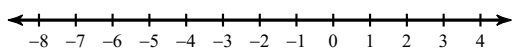
15) $7|2p - 8| < 14$



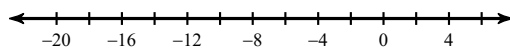
16) $5|8a + 7| + 2 \leq 47$



17) $5|-6b - 1| - 2 < 33$



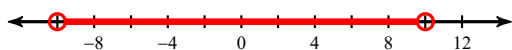
18) $10 + 8|p + 7| \leq 98$



AND Absolute Value Inequalities

Solve each inequality and graph its solution.

1) $|-4m| < 40$



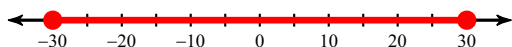
$-10 < m < 10$

2) $|n + 4| < 11$



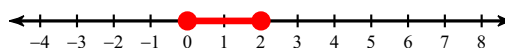
$-15 < n < 7$

3) $\left|\frac{x}{10}\right| \leq 3$



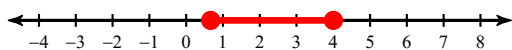
$-30 \leq x \leq 30$

4) $|5n - 5| \leq 5$



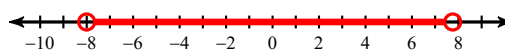
$0 \leq n \leq 2$

5) $|3b - 7| \leq 5$



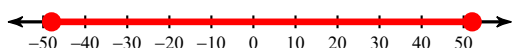
$\frac{2}{3} \leq b \leq 4$

6) $|8x + 1| < 63$



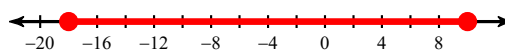
$-8 < x < \frac{31}{4}$

7) $\frac{|x - 2|}{10} \leq 5$



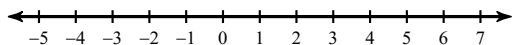
$-48 \leq x \leq 52$

8) $|v + 4| + 6 \leq 20$



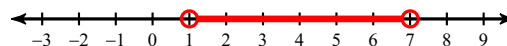
$-18 \leq v \leq 10$

$$9) 2 \left| \frac{x}{2} \right| \leq -8$$



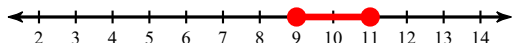
No solution.

$$10) 10|-4+r|-2 < 28$$



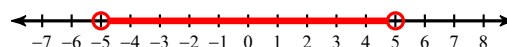
$$1 < r < 7$$

$$11) 4|-10+m|-9 \leq -5$$



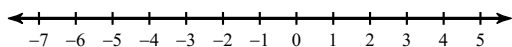
$$9 \leq m \leq 11$$

$$12) 4 \left| \frac{n}{10} \right| + 8 < 10$$



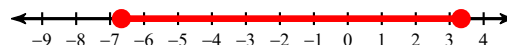
$$-5 < n < 5$$

$$13) |2n-5|-1 < -28$$



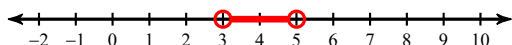
No solution.

$$14) \frac{|6v+10|}{6} \leq 5$$



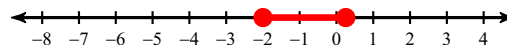
$$-\frac{20}{3} \leq v \leq \frac{10}{3}$$

$$15) 7|2p-8| < 14$$



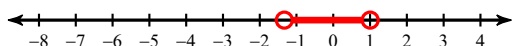
$$3 < p < 5$$

$$16) 5|8a+7|+2 \leq 47$$



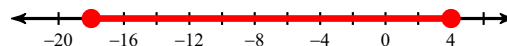
$$-2 \leq a \leq \frac{1}{4}$$

$$17) 5|-6b-1|-2 < 33$$



$$-\frac{4}{3} < b < 1$$

$$18) 10+8|p+7| \leq 98$$



$$-18 \leq p \leq 4$$