

Study Guide - Section 2.8 Abs Val Eq and Ineq

Solve each equation.

1) $|x - 2| = 5$

2) $|3x - 9| = -12$

3) $-5|-4k - 8| = -80$

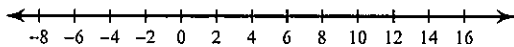
4) $|6p - 10| - 3 = -3$

5) $-5 + 2|5b + 2| = 91$

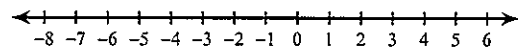
6) $8|8 + 2n| + 8 = 24$

Solve each inequality and graph its solution. Write the solution set in interval notation.

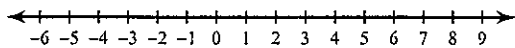
7) $|2n - 9| \leq 21$



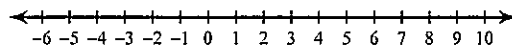
8) $|5x - 8| < -63$



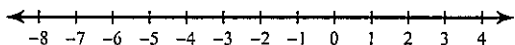
$$9) |3a - 3| + 4 < 19$$



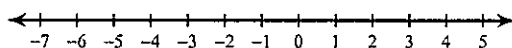
$$10) |-3n + 3| - 2 \geq 10$$



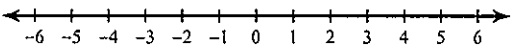
$$11) -9|-8n - 7| \leq -81$$



$$12) \frac{|-4 - 5x|}{8} \geq -3$$



$$13) 6|10n + 8| - 3 < 69$$



$$14) -10|8 - 8x| - 7 < -87$$

