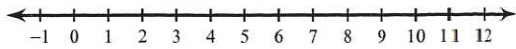


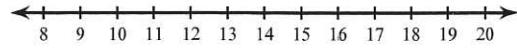
Unit 2B Review HW-2; Show work to receive credit Date _____ Period _____

Solve each compound inequality and graph its solution.

1) $-4x - 1 < -5x + 8 < -4x + 6$



2) $10p - 9 < 9p + 5$ or $3 + 6p \leq 5p + 6$



Solve each equation.

3) $|r| = 3$

4) $|k| = 6$

5) $\frac{|p|}{5} = 4$

6) $7|x| = 49$

7) $3|b| - 1 = 5$

8) $|x + 9| = 12$

9) $-3|-3x| = -63$

10) $-9|n + 3| = -18$

11) $-4|a + 1| + 9 = -11$

12) $|4a| + 2 = 38$

13) $8|-6 + 6a| + 1 = 49$

14) $5|-7x - 10| - 1 = 84$

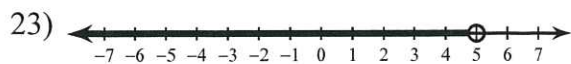
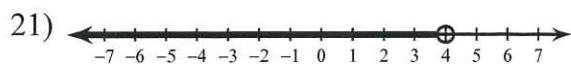
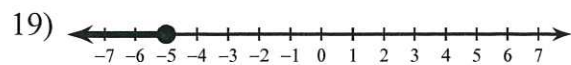
$$15) \frac{|-v - 10|}{5} = 2$$

$$16) \frac{|5x - 3|}{6} = 1$$

$$17) |5n - 2| = 8$$

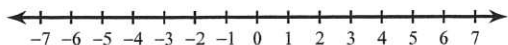
$$18) |8 - 9x| = 35$$

Write an inequality for each graph.

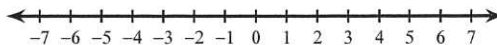


Draw a graph for each inequality.

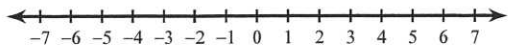
24) $n \leq -6$



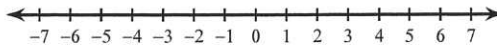
25) $n \geq -2$



26) $x < -5$



27) $n \geq 2$



28) $k \geq -5$

