SRHS Math 1 - Assignment #Review 2B Name_____

I. Solve each equation.

1) $p - 17 = -28$

$\{-11\}$

II. Solve each equation.

2) $2 + 7r + 3r = -18$

$\{-2\}$

III. Solve each equation.

3) $7 - 3b = 7 + 6b$

$\{0\}$

IV. Solve each equation.

4) $-6(2x + 8) = -8x - 28$

$\{-5\}$

5) $-3n + 3 = -6(5 + 6n)$

$\{-1\}$

V. Solve each equation.

6) $-12 = -8x - 7 + 8x$

No solution.

VI. Solve each equation.

7) $3|v + 5| = 39$

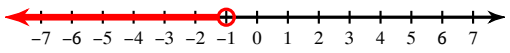
$\{8, -18\}$

8) $\left|\frac{x}{9}\right| + 2 = 3$

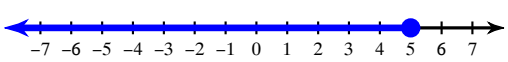
$\{9, -9\}$

VIII. Draw a graph for each inequality.

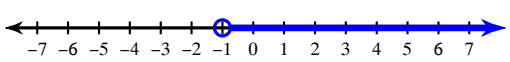
9) $n < -1$



IX. Write an inequality for each graph.

10) 

$n \le 5$

11) 

$x > -1$

X. Write an equation or inequality for each.

12) 17 is less than the quotient of y and 12

$17 < \frac{y}{12}$

13) 23 is greater than or equal to 11 more than w.

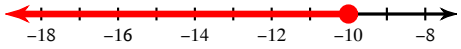
[28 ≥ w + 11]

XI. Solve each inequality and graph its solution.

14) $-34 \le 2x$

$x \ge -17$

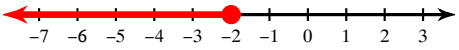
15) $50 \le -5x$



$x \le -10$

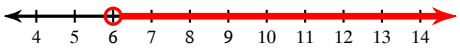
XII. Solve each inequality and graph its solution.

16) $1 + 5p - 2p \le -5$



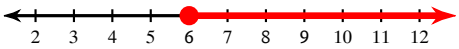
$p \le -2$

17) $3a - 8 > a + 4$



$a > 6$

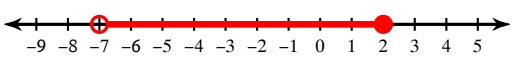
18) $4 + 4(n - 2) \ge 38 - 3n$



$n \ge 6$

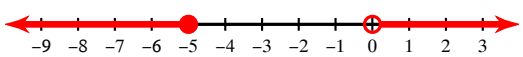
Solve each compound inequality and graph its solution.

19) $-3 < p + 4 \le 6$



$-7 < p \le 2$

20) $x + 6 > 6$ or $1 + x \le -4$



$x > 0$ or $x \le -5$