

Solve Absolute Value Equations HW-1

Solve each equation.

1) $|b| = 3$

2) $|p| = 5$

3) $|x| = 8$

4) $|x| = 2$

5) $|v - 1| = 6$

6) $|a + 5| = 2$

7) $|-5v| = 40$

8) $|-4 + b| = 8$

9) $\left|\frac{n}{7}\right| = 1$

10) $\left|\frac{n}{5}\right| = 2$

$$11) |-8p| = 72$$

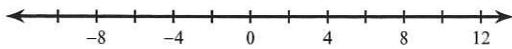
$$12) |v-7| = 16$$

$$13) |4r| = 4$$

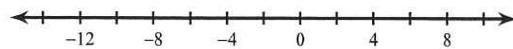
$$14) |p+2| = 2$$

Solve each COMPOUND INEQUALITY and GRAPH its solution.

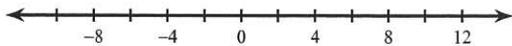
$$15) 4b \leq -28 \text{ or } -7b < -56$$



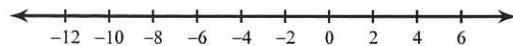
$$16) n + 2 \geq 9 \text{ or } -5n > 50$$



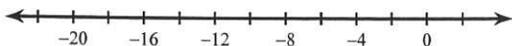
$$17) p - 2 < -8 \text{ or } -7p - 10 \leq -73$$



$$18) 4n + 8 \geq 20 \text{ or } -8 + 10n \leq -88$$



$$19) 6a - 10 > 7a + 7 \text{ or } -a + 1 < 4 + 2a$$



$$20) 7x + 3 \leq 8x + 5 \text{ and } 4 + 8x < -5 - x$$

