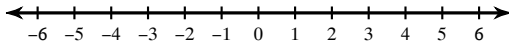


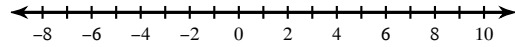
## Week 10 Absolute Value Inequalities

SOLVE each inequality, GRAPH its solution and write in INTERVAL NOTATION.

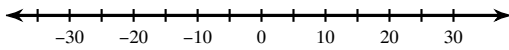
1)  $|x| < 5$



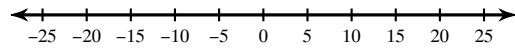
2)  $|k| \geq 5$



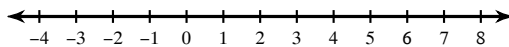
3)  $\left|\frac{x}{8}\right| < 4$



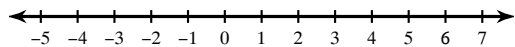
4)  $\left|\frac{m}{10}\right| \geq 2$



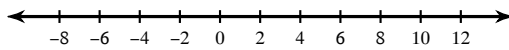
5)  $|-3n + 7| > 4$



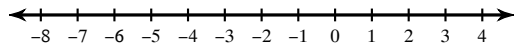
6)  $|6x - 4| < 20$



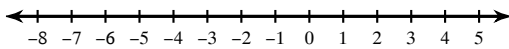
7)  $|-2a + 3| > 13$



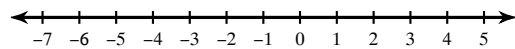
8)  $|3 + n| \leq 2$



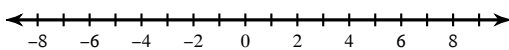
9)  $|r| - 2 < -6$



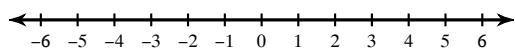
10)  $|v| - 7 > -19$



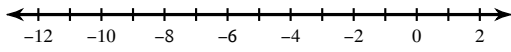
11)  $-3 - 6|a| > -39$



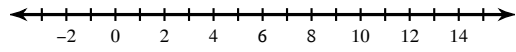
12)  $1 - 4|x| > -11$



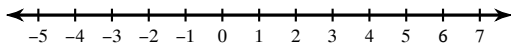
$$13) 4 + |4 + x| > 7$$



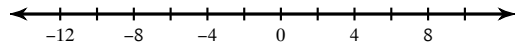
$$14) -10|x - 6| > -80$$



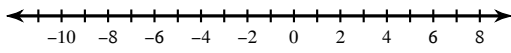
$$15) -5\left|\frac{v}{8}\right| < 5$$



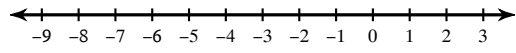
$$16) 3\left|\frac{n}{5}\right| \leq 6$$



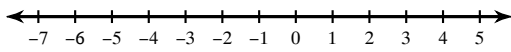
$$17) |-10b - 9| - 9 \geq 42$$



$$18) 8|3n + 10| \leq 80$$



$$19) 9|5k + 2| - 10 \geq 53$$



$$20) 2 + 8|6 - 3x| \leq 26$$

