

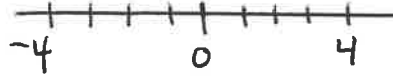
Solving Absolute Value Inequalities - Special Cases Date _____ Period _____

Solve each inequality and then graph your solutions.

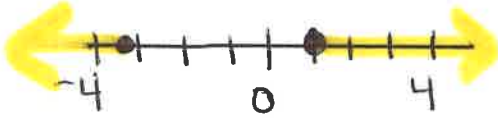
1) $5 + |7 + v| < 11$
 $-13 < v < -1$



2) $7 + 9|-9x - 6| < 7$
 No solution.



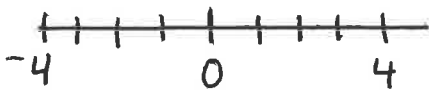
3) $\frac{-|8 + 7b| - 3}{9} \leq -2$
 $b \geq 1$ or $b \leq -\frac{23}{7}$



4) $-|n - 8| - 6 < -6$
 All real numbers except $n \neq 8$.



5) $2|8x + 4| + 1 \leq -77$
 No Solution



6) $-10|4n - 6| - 2 < -22$
 $n > 2$ or $n < 1$



$$7) 9 + |3n + 4| \geq 9$$

All real numbers.



$$8) -|-7x - 8| - 5 < -4$$

All real numbers.



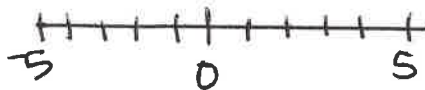
$$9) 9|-9x + 10| + 10 \leq 82$$

$$\frac{2}{9} \leq x \leq 2$$



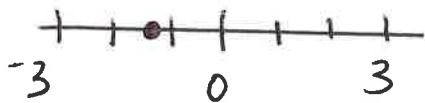
$$10) \frac{3|-8n + 9|}{9} + 12 < -2$$

No solution.



$$11) -16 + 5|9 + 8m| \leq -16$$

$$m = -\frac{9}{8}$$



$$12) \frac{-9 - 7|-6x + 10|}{3} \leq 2$$

All real numbers.

