

Math 95 Worksheet 9

1. Solve, graph and write the solution in interval notation:

a. $-2x < 8$ and $x - 5 < 5$

b. $1 < 4 + 2x \leq 7$

c. $-x < 7$ or $3x + 1 < -20$

2. Solve:

a. $|2x - 5| + 2 = 9$

b. $|7x| = 0$

c. $\left| \frac{x}{4} + 5 \right| = -7$

d. $|2y - 3| = |9 - 4y|$

e. $\left| \frac{2x - 6}{5} \right| = |-2|$