

NAME: _____ Score _____/10

You need not show any work for these questionsFor each of the 5 question you should assume the solution set for $|ax + b| < t$ is the interval (k, m) .1) Sketch the graph of $|ax + b| < t$ 2) Use set builder notation to write the solution set of $|ax + b| < t$

$$\{x \mid k < x < m\}$$

3) What is the solution set for $|ax + b| = t$. Write your answer using the roster method.

$$\{k, m\}$$

4) What is the solution set for $|ax + b| > t$. Write your answer in interval notation.

$$(-\infty, k) \cup (m, \infty)$$

5) Sketch the graph of $|ax + b| > t$.