Quiz #1 Tuesday, February 5

Name: ____

1. (6 points) For each of the following sets of real numbers specified by inequalities:

- express the set in interval notation
- graph the set on the given number line



 $|2x - 5| \le 7$

Write the solution set in interval notation.

Solution: $|2x - 5| \le 7$ if and only if $-7 \le 2x - 5 \le 7$ $-2 \le 2x \le 12$ $-1 \le x \le 6$ So the solution set is [-1, 6]