

Name: _____

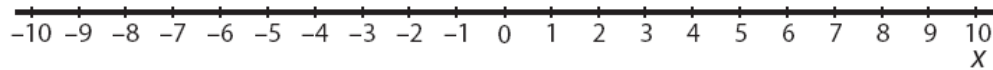
Date: _____

QUIZ – INTERVAL NOTATION

1. (20%) Given the following interval $x \in [-5, 1)$

a. (10%) Write in all notations:

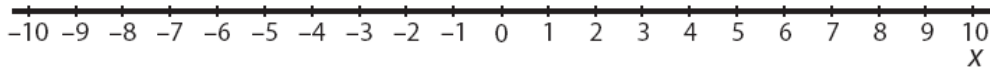
b. (10%) Represent on the real number line:



2. (20%) Given the following interval $x \in [-\infty, 7]$

a. (10%) Write in all notations:

b. (10%) Represent on the real number line:

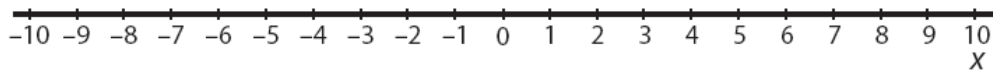


3. (32%)

a. (8%) Solve the inequality $5x - 7 \leq 3$

b. (8%) Solve the inequality $-2x < -4$.

c. (8%) Represent both solutions on the real line:



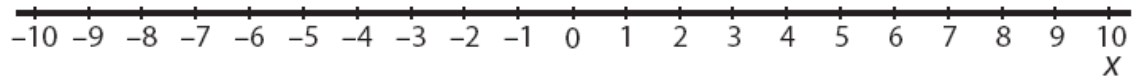
d. (8%) State their intersection: _____.

4. (28%)

a. (7%) Solve the inequality $3x - 6 \leq 4$

b. (7%) Solve the inequality $0 < -7 + 2x$.

c. (10%) Represent both solutions on the real line:



d. (4%) State their intersection: _____.