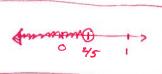
Quiz # 7

November 4, 2014 No electronic devices or interpersonal communication allowed. Show work to get credit.

Solve the following inequalities. Give your answers in each of the following ways: 1. a simplified algebraic expression, 2. interval notation, and 3. a graphical representation (number line).

$$(1) 3x + 7 < 9 - 2x$$



(2)
$$3x + 7 < (9 - 2x) + 5x$$

$$3x + 7 < 9 + 3x$$

$$-3x = -3$$

749

every is a solution.

france

(3)
$$0 \le 7 - x < 4$$

$$-7 \le -x < -3$$

$$7 \ge x > 3$$

