

Math 002 P1**Name:****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) $3x + 7 < (9 - 2x) + 5x$

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