

Solving Equations Exit Quiz**Part A: Multiple Choices: Instructions:** Choose the option that completes the sentence or answers the question.

- 1) The solution to the inequality $2x - 5 > x - 2$ is
- a) $x < 3$
 - b) $x > 3$
 - c) $x < -5$
 - d) $x > -2$
- 2) The solution to the inequality $-4 \times (2x + 4) \geq 16$ is
- a) $x \leq 2$
 - b) $x \leq -4$
 - c) $x \geq 4$
- 3) The solution to the inequality $-2x + 5 > 3$ or $3x - 2 \geq 5$ is
- a) $(-\infty, 2) \cup (3, \infty)$
 - b) $(-\infty, 1) \cup \left[\frac{7}{3}, \infty\right)$
 - c) $(-\infty, 1) \cup \left(\frac{7}{3}, \infty\right)$
 - d) $(-\infty, -3) \cup [3, \infty)$
- 4) The solution to the inequality $7 < -2n + 1 \leq 13$ is
- a) $2 > n \geq -6$
 - b) $4 > n \geq -5$
 - c) $-3 > n \geq -6$
 - d) $-5 > n > -1$

Part B: Short Answer: Instructions: Answer the question below.

Mr. Diaz wishes to save at least \$1500 in 12 months. If he saved \$300 during the first 4 months, what is the least possible average amount that he must save in each of the remaining 8 months?
