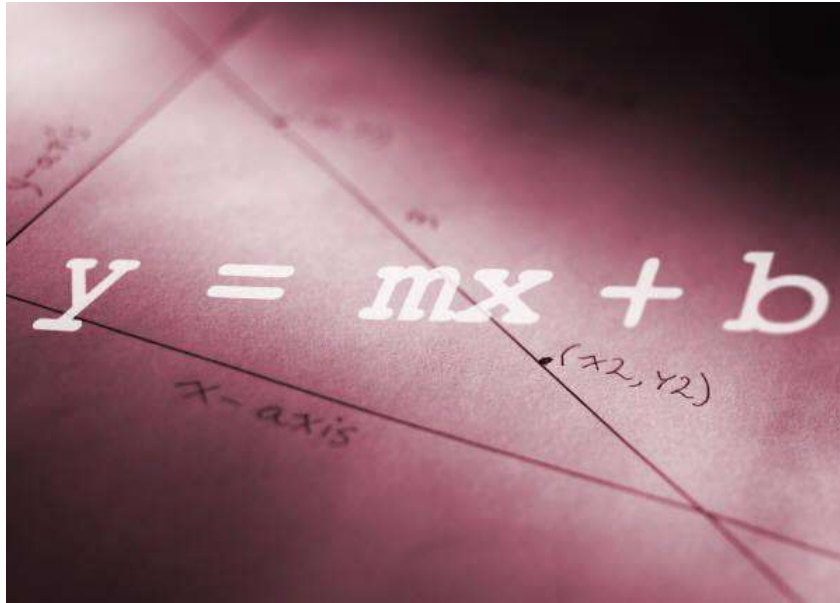# Stuart City School District
Maplewood High School

Algebra I

Post-test

Student ID: _____

Student Name: _____ Class Period: _____ Date: _____

Teacher Name: _____ School Name: _____

TEST-TAKER INSTRUCTIONS

STEP 1. Use a #2 pencil to mark on this booklet.

STEP 2. Fill in your **Student ID**, **Student Name** (First and Last Name), **Class Period** (One digit - 1, 2, etc.), and today's **Date** (Day, Month, Year – 22 October, 2013). Fill in the **Teacher Name** (Title, Last Name – Mrs. Smith) and the **School Name** (XYZ High School).

STEP 3. Please show all of your work. You may use a calculator and the mathematics reference sheet.

STEP 4. You have the entire class period to complete the test. When finished, raise your hand and I will come and collect the test.

STEP 5. Try your best to answer every question and raise your hand if you need me to clarify a question. All questions left blank will be scored as a wrong answer.

DIRECTIONS: For Questions 1 and 2, read each question carefully and then circle the letter of the correct answer from the four choices provided. Each question is worth one (1) point towards your overall score.

1. Which choice lists the three lengths ordered from greatest to least?

A. $4.5, 3, \sqrt{18}$

B. $\sqrt{18}, 4.5, 3$

C. $4.5, \sqrt{18}, 3$

D. $3, 4.5, \sqrt{18}$

(0001.MTH.ALGI.POST.MC-LV1-8EE2)

(0001.MTH.ALGI.POST.MC-LV1-9-12.A.1.11)

2. What is the value of the expression below?

$$7 + 5 \times (-3) - (6 - 2) \div 2$$

A. −10

B. −15

C. −16

D. −20

DIRECTIONS: For Question 3, read the question carefully and write your complete answer in the space provided. The question is worth four (4) points toward your overall score.

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3. Ann incorrectly simplified the expression below.

$$8x + 4(2+3)^2 - 7x$$
$$8x + (8+12)^2 - 7x$$
$$8x + (20)^2 - 7x$$
$$8x + 400 - 7x$$
$$x + 400$$

Part A. Explain the mistake Ann made.

Part B. What is the correct answer?