

Name \_\_\_\_\_

Date \_\_\_\_\_

**Homework #15**

Period \_\_\_\_\_

1) Mr. Stanton asked his students to write an algebraic expression on a piece of paper. He chose four students to go to the board and write their expression.

Tyshawn wrote:  $4(2x + 5) \geq 17$

Meredith wrote:  $3y - 7 + 11z$

Steven wrote:  $9w + 2 = 20$

Isabella wrote:  $8 + 10 - 4 = 14$

Explain your answer:

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Which student wrote an algebraic expression?

- (1) Tyshawn
- (2) Meredith
- (3) Steven
- (4) Isabella

2) If  $h$  represents a number, which equation is a correct translation of "Sixty more than 9 times a number is 375"?

(1)  $9h = 375$

(2)  $9h - 60 = 375$

(3)  $9h + 60 = 375$

(4)  $60h + 9 = 375$

3) Which algebraic expression would be used to represent the verbal expression, "three times the quantity of 4 less than a number"?

(1)  $3(n - 4)$

(2)  $4(n - 3)$

(2)  $3n - 4$

(4)  $3(n + 4)$

4) The expression  $3x(2x + 1)$  could represent

- (1) The quantity of twice a number added to one, multiplied by the product of the number and three
- (2) 3 times the number times twice the number added to one
- (3) The product of 3 and the number multiplied by one plus twice the number
- (4) The product of twice the number and three times the number added to one

5) The expression  $2x + 10$  could represent

- (1) Ten more than twice the sum of 2 and  $x$
- (2) Ten and  $x$  multiplied by 2
- (3) The quantity of  $x$  plus 10 multiplied by 2
- (4) Ten more than twice a number  $x$

6) The expression  $x(2x + 7)$  can be written in words as

- (1) The product of  $x$  and two times  $x$ , plus 7
- (2) The product of  $x$  and the quantity 2 times  $x$  plus 7
- (3) The product of  $x$  and  $2x$  with 7 added
- (4) 7 more than the product of  $x$  and  $2x$

