

Name _____

Date _____

MA_EquationsExpressions_Lesson04_Homework

1. Write two written expressions for each algebraic expression.

a) $4x + 9$

b) $2(x+5)$

c) $x - 6$

2. Write an algebraic expression for the given written expression.

a) a number less than fifteen

b) three times the difference of a number and seven

c.) ten times the sum of a number and eleven

3. (Review) Indicate with math symbols what operations are being described by the given word(s).

Use $+$, $-$, \cdot , \div symbols.

1. sum _____

2. product _____

3. decreased by _____

4. quotient _____

5. increased by _____

6. difference _____

7. more than _____

8. less than _____

9. twice something _____

4. The written expression "the sum of a number and two, divided by nine" can be written two ways.
Write two algebraic expressions for this written expression. Hint: One is using a fraction bar.

5. Match the written expressions with the correct algebraic expression.

A) Four times the difference of a number and two

B) The sum of a number and three times five

C) Two less than the product of four and a number

D) The product of five and number increased by three

Algebraic Expression

$$5(p + 3)$$

$$5p + 3$$

$$4p - 2$$

$$4(p - 2)$$

Class Work Lesson 4

1) Directions: Write an algebraic expression for each.

a) five less than three times a number

b) eight less than the quotient of a number and two

c) nine times the sum of a number and fifteen

d) The sum of twice a number and seven

e) one plus the product of a number and five

f) A number less than twenty five

~~g~~ g) The sum of half a number and four

~~h~~ h) seven less than a third of the sum of a number and two

2) Directions: Write two written expression for each. Use the key vocabulary.

a) $10 - h$

b) $(d + 9) \cdot 10$

c) $7(n + 13)$

d) $2x + 12$

e) $\frac{c}{10}$

f) $2 \div (n - 13)$

g) $g(10 - h)$