



Grade 8 - Mathematics

Algebraic Expressions 2

Activity



A. Convert the following word statements into algebraic expressions:

1. Six times a number increased by two times a different number.

2. Three divided by a number added to eight times a different number.

3. Nine times a number subtracted from another number.

B. Identify the parts of the expression:

$$3y + 4x^2 - 5$$

1. In the term $4x^2$, what do we call the 2? _____

2. What part of the expression is the 3? _____

3. What part of the expression is the 5? _____

4. What part of the expression is the y ? _____

C. Simplify the following algebraic expressions:

1. $6x + 2y + 3x$

2. $8a + 8b - 3b + 2a$

3. $c \times c \times c$

4. $2a^3b + 6ba^3$



D. Evaluate the following expressions:

1. $6x + 3y$ $(x = 2; y = 3)$

2. $4x - 6y + 2y$ $(x = 3; y = 5)$

3. $5x^2y^2$ $(x = 4; y = 2)$

4. $3xy - 2yx$ $(x = 3; y = 1)$
