

Name/Nombre: _____ Date/Fecha: _____

ECC161

Elements of an expression

Vocabulary	Definition
Variables	* Variables are _____ that represents _____.
How to find it	Example
Look for <u>letters</u> like x, y, z, a, b, c,...	Expression: $2y-3x+5$ Variables:

Vocabulary Terms	Definition
How to find it Look for _____ of an expression that are separated by "+" or "-".	<ul style="list-style-type: none"> * Terms are the parts of an expression that are being <u>added</u> or <u>subtracted</u>.

Vocabulary	Definition
Coefficients	<ul style="list-style-type: none"> * Coefficients are _____ multiplied by _____. * Coefficient takes the _____ in front of it. * If an coefficient is not written it is invisible _____.
How to find it	Example Expression: $2x-8-c$ The <u>coefficient</u> of $2x$ is _____. The <u>coefficient</u> of $-c$ is _____.

Vocabulary	Definition
Constant	<ul style="list-style-type: none"> * Constants are the _____ in an expression <i>without</i> _____. * Take the _____ in front of it.
How to find it Look for TERMS of an expression that have NO variable.	Example Expression: $2x-8-c$ The <i>constant</i> of the expression is _____.

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DO NOW!

1. Identify terms of algebraic expressions.

Expressions	# of Terms	List Terms
(1) $3x+2y+4z+8$	_____	_____
(2) $5y+6z$	_____	_____
(3) c^4	_____	_____
(4) $9x^2 - 4$	_____	_____
(5) $6j^4 + 5f^5 + 11$	_____	_____
(6) $7b-1$	_____	_____
(7) 9	_____	_____

2. Identify the **terms, coefficient, variable, exponent, and constant** as indicated.

Expression	Coefficient/s	Variable	Exponent	Constant
(1) $2k - 5$	_____	_____	_____	_____
(2) $5y+6z$	_____	_____	_____	_____
(3) $n^3 + 23$	_____	_____	_____	_____
(4) $5(-n)^3$	_____	_____	_____	_____
(5) $12q^2 + q - 2$	_____	_____	_____	_____
(6) $\frac{4}{5}r^2 - 3^2$	_____	_____	_____	_____