

Name: _____

Date: _____

Aim: What is Algebra?

DO NOW:

What do you think of when you think of Algebra?

Vocabulary

Algebra:

What is a numerical expression?

What is a variable?

What is an algebraic expression?

What is a term?

How many terms does each algebraic expression have below:

1. $x + y + n$
2. $xy + n$
3. xyn
4. $r^2 + 2n + pq$

What is a coefficient?

What is a constant?

What is the coefficient and constant in each expression?

4x 4x + 10 3x² 3x² - 5 87pqr

What is evaluate?

What is solve?

Practice

Evaluate each of the following expressions when $x = -4$.

- 1.) $x+7$ 2.) $5x^2$ 3.) $28 \div x$ 4.) $13-x$

Name the coefficient and the variable(s) in each expression.

- 5.) $12a$ 6.) $3ab$ 7.) $-5w+2$

List the "terms" of each expression above?



1. In the expression $-2w - 18$, the coefficient is _____, the variable is _____, and the constant is _____.
2. In the expression $-2w - 18$ there are _____ terms.
3. Evaluate the expression when $n = 0.9$
 $12n - 0.08$