

Notes

11-3-14

① Define

Variable: letter that represents an unknown number

x, y, z, a, b

Coefficient: the number before a variable

$-3x, 3x, \frac{1}{3}x, 15x$

Constant: a number, without a variable

$8, -8, \frac{1}{8}, .25$

$3x - 4$

↓

Coefficient

constant

② Writing a word phrase from an expression

$$x + 5$$

- A number increased by 5
- The sum of x and 5
- A number added by 5

$$8x - 2$$

- 8 times a number decreased by 2
- The difference of 8 times a number (x) + 2

③ Writing an expression from a word phrase

- A number increased by 6
 $x + 6$

- A number tripled
 $3x$
 $x + x + x$

- A number divided by 6

$$\frac{x}{6}$$