

9/19/19

Be able to evaluate expressions.

(17)

Expression

numbers, variable, and symbols

$$x+1$$

$$3x+2$$

$$4x^2-6$$

$$6y-4x$$

$$3+2$$

Equation

expressions with equals sign

$$3+2=5$$

$$2x+4=12$$

$$9x+3y=42.97$$

Evaluate the expression

$$x+4$$

where  $x=-7$

$$-7+4=-3$$

Evaluate

$$(a+b)^2 - a$$

when  $a=5$

$b=-2$

$$(5+(-2))^2 - 5$$

$$(3)^2 - 5$$
$$9 - 5$$
$$4$$

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True or False

$$5x - 3y = 10 \quad \text{when } x=3$$
$$y=2$$

$$5(3) - 3(2) = 10$$

$$15 - 6 \neq 10 \quad \text{False}$$

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True or False

$$-5x + 9 = y \quad \text{when } x=6$$

$$-5(6) + 9 = -21$$
$$y = -21$$

$$-30 + 9 = -21$$