Solving for x 02: Intro to Variables

Name_____

Write an equation for how much you will spend if you buy **b** bananas for $1.50 each:

T = b · $1.50

How much will you spend if you buy 3 bananas?

T = 3 · $1.50 = $4.50

Name the coefficients and terms in $6y^3-7y+14z^3+y$

Coefficients: 6, -7, 14, 1 Terms: $6y^3$, $-7y$, $14z^3$, y

Evaluate these expressions:

$-9b+4, \quad b=7$: -59

$-9(7)+4$

$-63+4=-59$

$j(3k^2-10), \quad j=8, k=2$: 16

$8(3(2)^2-10)$

$8(3\cdot4-10)$

$8(12-10)$

$8(2)=16$

$\frac{-mn+5}{(m+n^2)}, \quad m=-3, n=2$: 11

$\frac{-(-3)(2)+5}{(-3+(2)^2)}=\frac{6+5}{(-3+4)}=\frac{11}{1}$

$c^2, \quad c=-4$: 16

$(-4)^2=-4\cdot-4=16$

$-c^2, \quad c=-4$: -16

$-(-4)^2=-(16)$

$e^3, \quad e=-2$: -8

$(-2)^3=-2\cdot-2\cdot-2=-8$

$-e^3, \quad e=-2$: 8

$-(-2)^3=-(-8)$