Prealgebra ~ Lesson 14

Work the following examples as you listen to the recorded lecture.

Terms – separated by addition or subtraction-5x + 3y - 2Expression – no equal signx + 11y + 2Equation – has an equal sign, therefore it has two sides3x - 6 = 8 + xVariable – the unknown, represented with letters-3xCoefficient – the number multiplied times the variable $37x^2y^4z$ Combining like terms can only be done when the variables are identical.

Remember the sign stays with the term that follows. -2x + 4y - 1

When distributing multiplication, always use the sign in front of the term.

-4(2x-3)

Example 1:	Example 2:	Example 3:
8y + 3y	7z - 10z	5y - 7x + 6y + 8x + 2

Example 4:Example 5:Example 6:4(4x)-4(3x+7)2[4-3(7x+5)]

Example 7: -3[2x - 4(x + 2) - 3] Example 8: 8z + 5(6 + z) + 20

Example 9: -(12b + 10) + 5(3b - 2) Example 10: 3(5x + 2) + 2(3x + 1)