

Simplifying Expressions

Add/Subtract - Only add like terms, which have _____.

Multiply - When multiplying powers with like bases, _____ coefficients and _____ exponents.

Raise to a Power - Multiply base by itself that many times. If already exponent, _____ exponents.

Divide - When dividing powers with like bases, _____ coefficients and _____ exponents.

Ex. 1 $(3x - 1)^2 + 7x - 2$

You Try 2 $5x(3x^3 + 2x) + (2x + 7)^2$

Ex. 3 $\left(\frac{3x}{x^5}\right)^2$

You Try 4 $\frac{8x^5y^2}{2xy} \cdot (z^2)^4$

Types of Functions

	Linear	Quadratic	Absolute Value	Exponential
Equation	Slope-Intercept Standard HOY VUX	Vertex Standard		
Table				
Graph				

How can you test to see if a function rule fits the data?

For Data Questions (like #22 on Practice EOC)

Mean = average (find the sum and divide by how many numbers you added)

Median = middle number (order all numbers least to greatest)

Mode = number that occurs the most (order all numbers least to greatest and find the repeats)