

Comparing Linear and Nonlinear Functions

Tables

Linear

		+2	+2	+2	
X	2	4	6	8	
Y	-1	-4	-7	-10	
		-3	-3	-3	

Nonlinear

		+2	+2	+2	
X	1	3	5	7	
Y	3	27	75	147	
		+24	+48	+72	

Equations

$$Y = -2x + 3$$

$$Y + 8 = -3x + 7$$

$$4x + 8y = -12$$

$$Y = 2x^2 + 5x - 7$$

$$Y = \frac{3}{x} + 2$$

$$Y = x^3 - 9$$

Graphs

