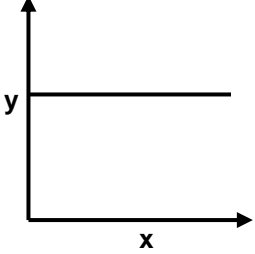
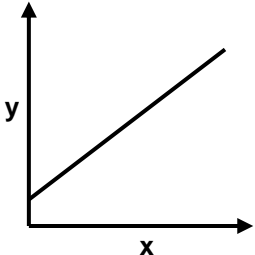
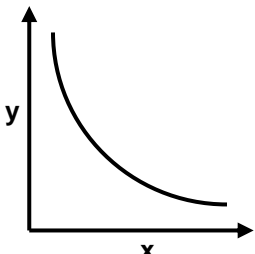
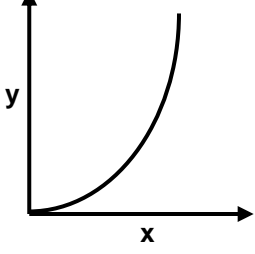
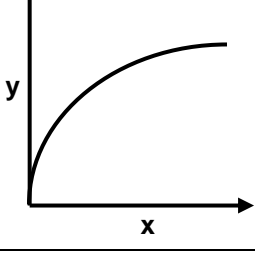


What happens if life throws you a curve - Straigten it!

This table summarizes the graphs and relationships that you will most likely encounter.

Graph Shape	Written relationship	Modification required to linearize the graph	Algebraic Representation
Linear Zero Slope 	DV is independent of the independent Variable As IV changes DV remains the same	None	$DV = b$
Linear 	DV is directly proportional to the IV	None	$DV = \text{Slope} \cdot IV$
Hyperbola 	DV is inversely proportional to the IV	Graph $\frac{1}{\text{Independent Variable}}$	$DV = \frac{\text{Slope}}{\text{Ind. Variable}}$
Top opening parabola 	DV is proportional to the square of IV	Graph (Independent Variable)²	$DV = \text{Slope}(\text{Ind. Var})^2$
Side opening parabola 	The DV square is proportional to IV	Graph (Dependent Variable)²	$(DV)^2 = \text{Slope} \cdot (\text{Ind. Var})$