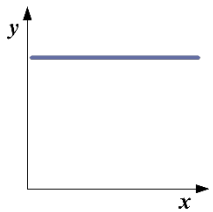
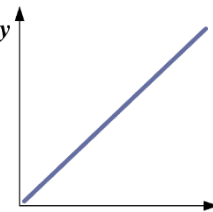
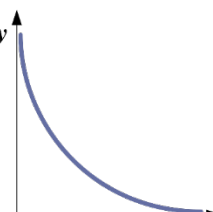
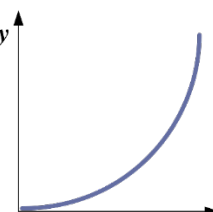
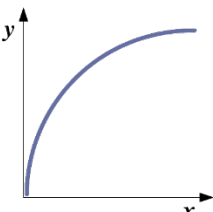


RELATIONSHIP BETWEEN GRAPHS TEACHER GUIDE

Graph Shape	Modification required to linearize graph	Algebraic Representation
	None	$y = b,$ or y is constant
	None	$y = mx + b$
	As x increases, y decreases. Y is inversely proportional to x .	$y = m\frac{1}{x} + b$
	Y is proportional to the square of x .	$y = mx^2 + b$
	The square of y is proportional to x .	$y^2 = mx + b$