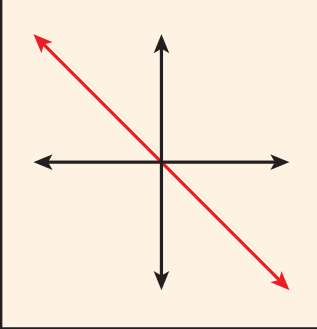
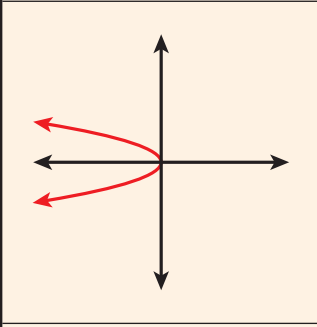
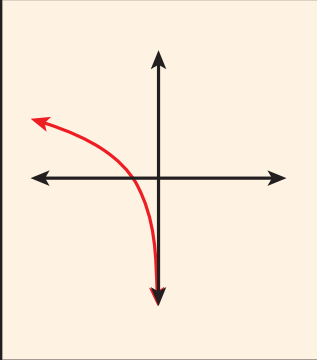
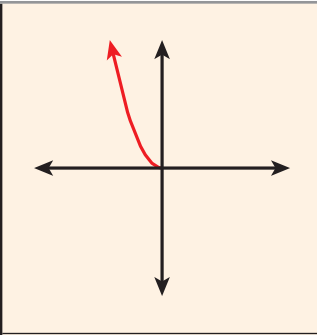


9-6

Modeling Real-World Data

Families of Functions				
Family	Linear	Quadratic	Exponential	Square Root
Rule	$f(x) = x$	$f(x) = x^2$	$f(x) = b^x, b > 0$	$f(x) = \sqrt{x}$
Graph				
Constant Differences or Ratios	Constant first differences between y-values for evenly spaced x-values	Constant second differences between y-values for evenly spaced x-values	Constant ratios between y-values for evenly spaced x-values	Constant second differences between x-values for evenly spaced y-values