TEKS 2A.1.B

LESSON 9-6

Modeling Real-World Data

Know it! Note

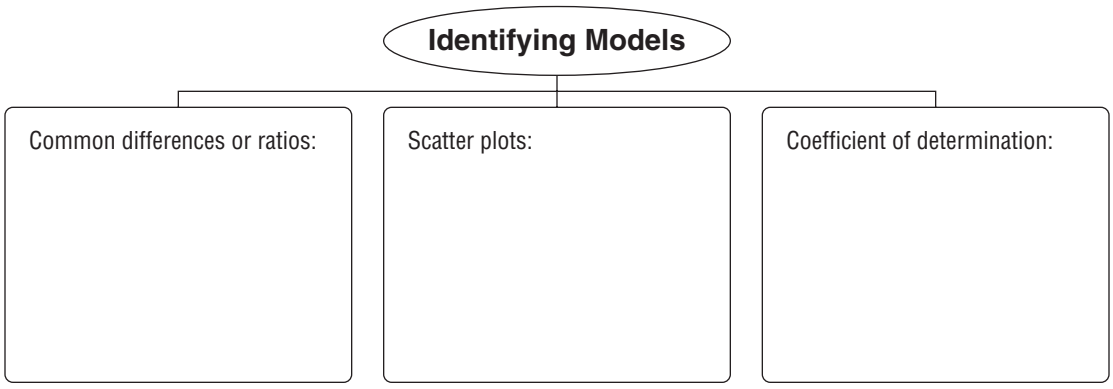
Lesson Objectives (p. 698):

Key Concepts

1. Families of Functions (p. 698):

FAMILY	LINEAR	QUADRATIC	EXPONENTIAL	SQUARE ROOT
Rule				
Graph				
Constant Differences or Ratios				

2. Get Organized Explain how each method can help you determine which model best fits a data set. (p. 701).



TEKS 2A.1.B

LESSON 9-6

Modeling Real-World Data

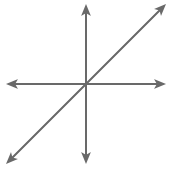
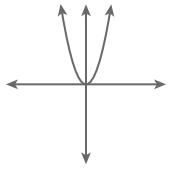
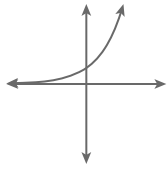
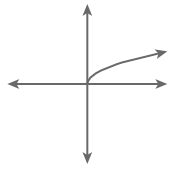
Know it! Note

Lesson Objectives (p. 698):

applying functions to problem situations; use mathematical models to make predictions.

Key Concepts

1. Families of Functions (p. 698):

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*-value and evenly spaced *x*-values.**	**Constant second differences between *y*-value and evenly spaced *x*-values.**	**Constant ratios between *y*-value and evenly spaced *x*-values**	**Constant second differences between *x*-values for evenly spaced *y*-values.**

2. Get Organized Explain how each method can help you determine which model best fits a data set. (p. 701).