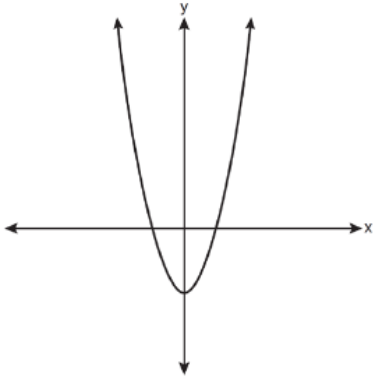


Families of Functions ... Set 3

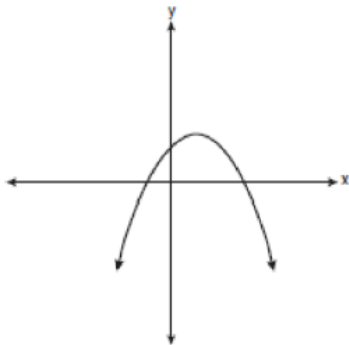
Families of Functions: Identify and graph linear, quadratic (parabolic), absolute value, and exponential functions

1 Which type of function is represented by the graph shown below?



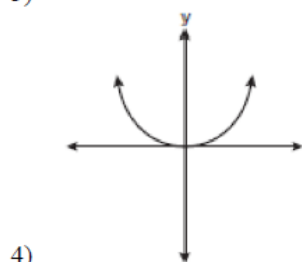
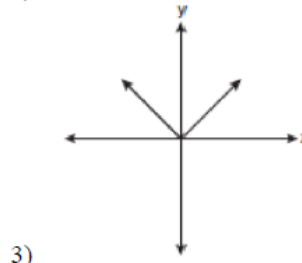
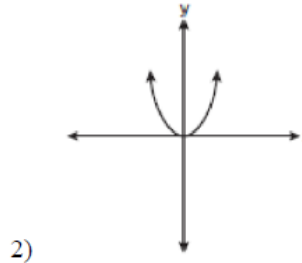
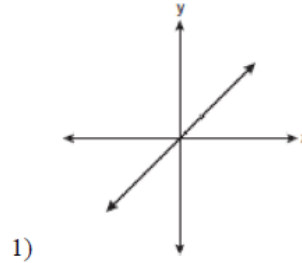
- 1) absolute value
- 2) exponential
- 3) linear
- 4) quadratic

2 Which type of graph is shown in the diagram below?



- 1) absolute value
- 2) exponential
- 3) linear
- 4) quadratic

3 Which graph represents a linear function?



Families of Functions ... Set 3

Answers

1 ANS: 4

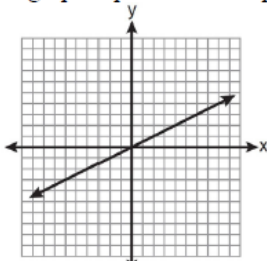
2 ANS: 4

3 ANS: 1

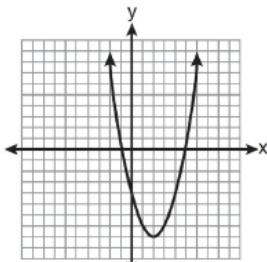
Families of Functions ... Set 3

Families of Functions: Identify and graph linear, quadratic (parabolic), absolute value, and exponential functions

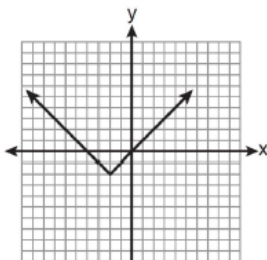
4 Which graph represents an exponential equation?



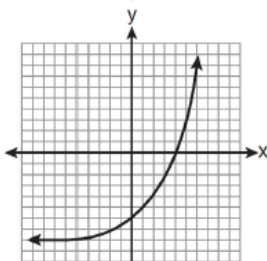
1)



2)

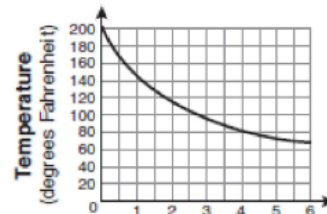


3)

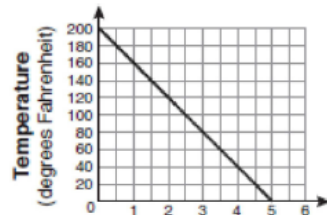


4)

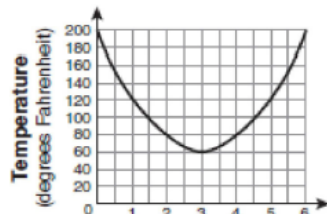
5 Antwaan leaves a cup of hot chocolate on the counter in his kitchen. Which graph is the best representation of the change in temperature of his hot chocolate over time?



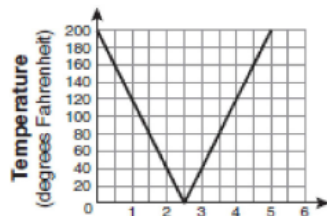
1)



2)



3)



4)

6 Which equation represents a quadratic function?

1) $y = x + 2$

2) $y = |x + 2|$

3) $y = x^2$

4) $y = 2^x$

Families of Functions ... Set 3

Answers

4 ANS: 4

5 ANS: 1

6 ANS: 3