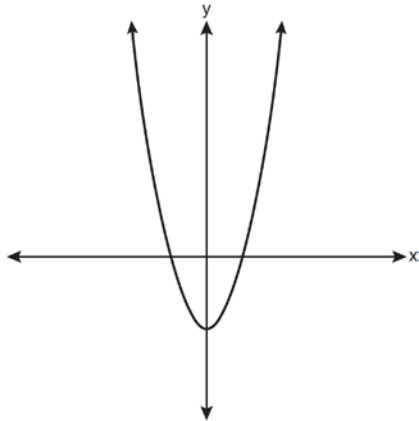


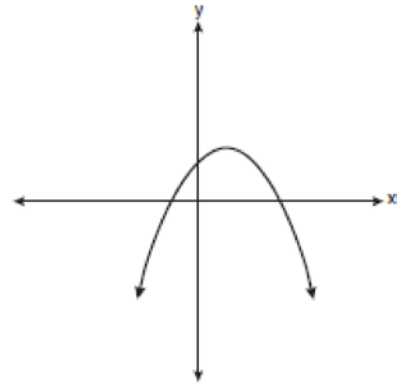
A.G.4: Families of Functions: Identify and graph linear, quadratic (parabolic), absolute value, and exponential functions

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



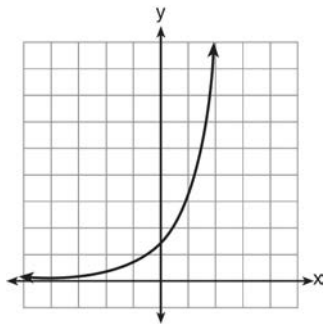
- 1) absolute value
- 2) exponential
- 3) linear
- 4) quadratic

- 3 Which type of graph is shown in the diagram below?



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

- 2 Which type of function is graphed below?

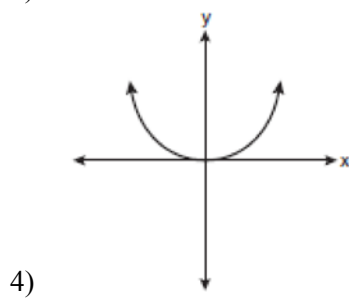
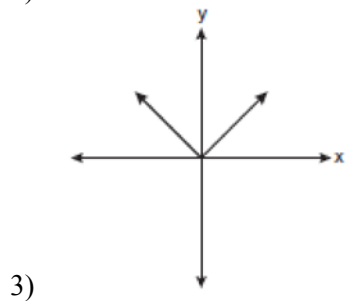
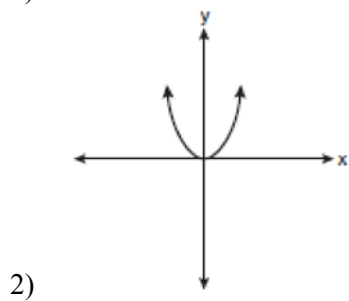
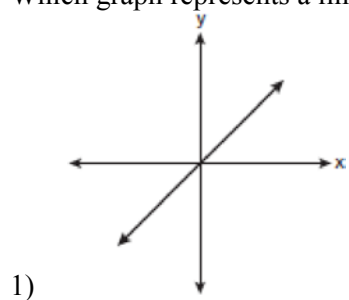


- 1) linear
- 2) quadratic
- 3) exponential
- 4) absolute value

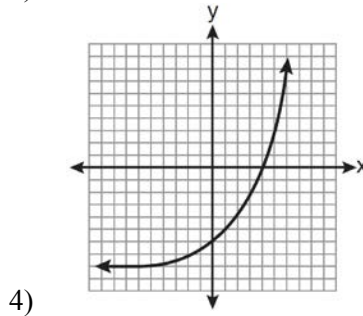
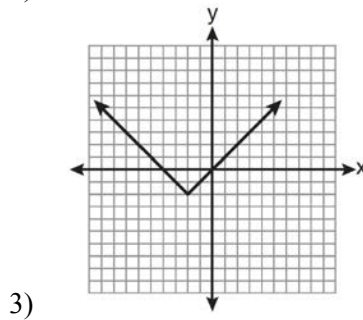
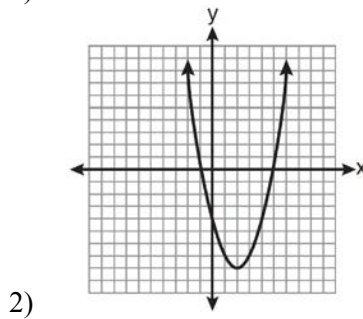
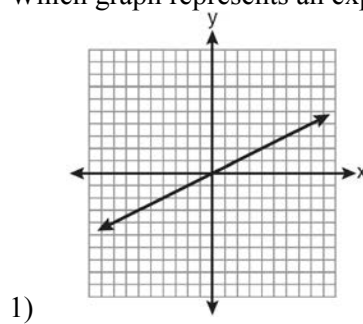
- 4 Which equation represents a quadratic function?

- 1) $y = x + 2$
- 2) $y = |x + 2|$
- 3) $y = x^2$
- 4) $y = 2^x$

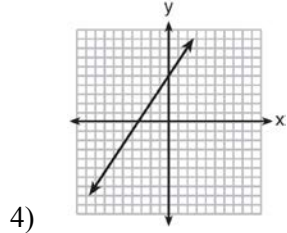
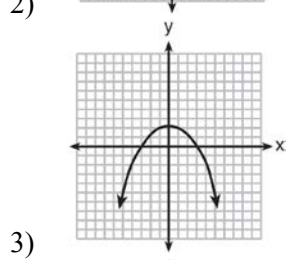
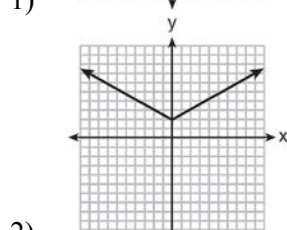
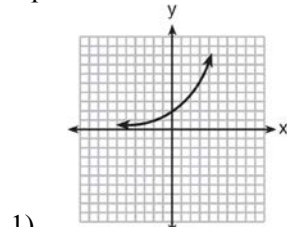
5 Which graph represents a linear function?



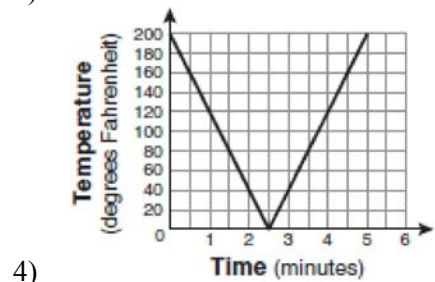
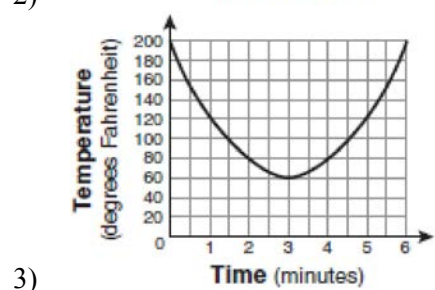
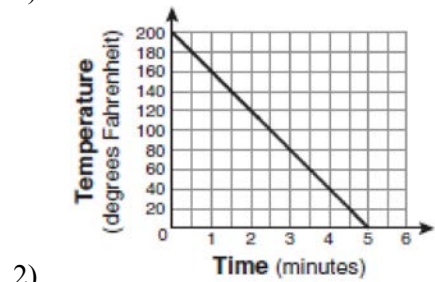
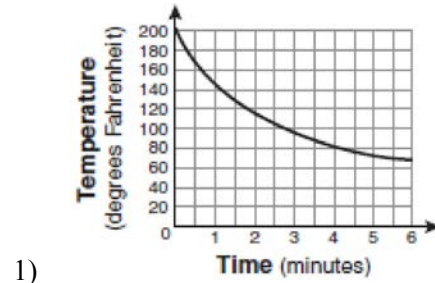
6 Which graph represents an exponential equation?



- 7 Which graph represents an absolute value equation?



- 8 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?



A.G.4: Families of Functions: Identify and graph linear, quadratic (parabolic), absolute value, and exponential functions**Answer Section**

1	ANS: 4	REF: 061111ia
2	ANS: 3	REF: 061318ia
3	ANS: 4	REF: fall0717ia
4	ANS: 3	REF: 081118ia
5	ANS: 1	REF: 060801ia
6	ANS: 4	REF: 081025ia
7	ANS: 2	REF: 061423is
8	ANS: 1	REF: 010905ia