1. The cost of a certain type of electric car has steadily declined over time. Which graph **best** shows this?



2. Which is a **true** statement about the graphs in questions 1?

A. Time is the dependent variable and cost and height are the independent variables.

B. Time, cost, and height are all independent variables.

C. Time is the independent variable and cost and height are the dependent variables.

D. Time, cost, and height are all dependent variables.

3. Ice skating costs $3 per hour plus $2.50 for skate rental. Which equation shows the relationship between *h,* the number of hours, and *y*, the cost?

A.  B.  C. D. 

4. Which table of values represents the linear function described by *y = -3x + 10* ?

 A B C D

|  |  |
| --- | --- |
| x | y |
| 0 | 7 |
| 1 | 7 |
| 2 | 4 |
| 3 | 1 |

|  |  |
| --- | --- |
| x | y |
| 0 | 10 |
| 1 | 7 |
| 2 | 4 |
| 3 | 1 |

|  |  |
| --- | --- |
| x | y |
| 0 | 10 |
| 1 | 13 |
| 2 | 16 |
| 3 | 19 |

|  |  |
| --- | --- |
| x | y |
| 0 | 0 |
| 1 | -10 |
| 2 | -20 |
| 3 | -30 |

5. What makes a function linear?

6. 

 **A B C**

7. 



  **A. B. C.**