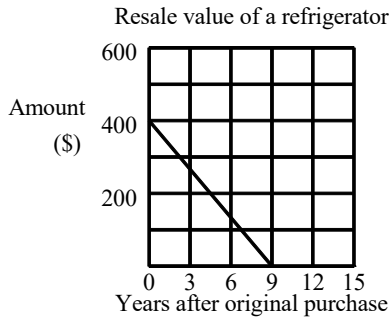


NAME: \_\_\_\_\_

1. Find the rate of change for the data graphed on the line.



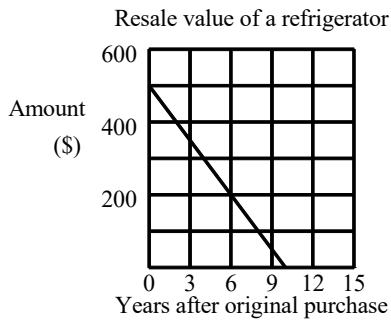
[A]  $-\frac{40}{3}$ , value drops \$120 every 9 yrs

[B]  $-\frac{400}{3}$ , value drops \$1200 every 9 yrs

[C]  $-\frac{40}{1}$ , value drops \$360 every 9 yrs

[D]  $-\frac{400}{9}$ , value drops \$400 every 9 yrs

2. Find the rate of change for the data graphed on the line.



[A]  $-\frac{45}{1}$ , value drops \$270 every 6 yrs

[B]  $-\frac{15}{1}$ , value drops \$90 every 6 yrs

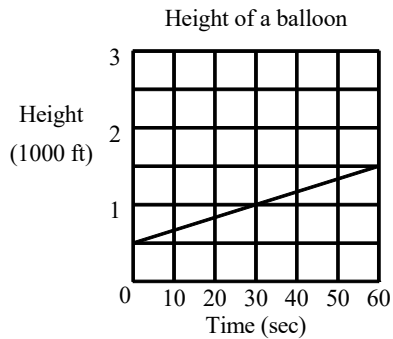
[C]  $-\frac{50}{1}$ , value drops \$300 every 6 yrs

[D]  $-\frac{150}{1}$ , value drops \$900 every 6 yrs

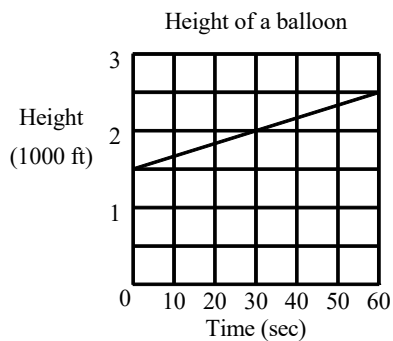
3. What is true about the rate of change for a line that rises as it goes from left to right? Explain.

NAME: \_\_\_\_\_

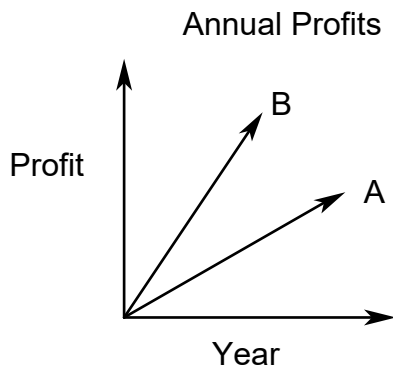
4. Find the rate of change for the data graphed on the line.



5. Find the rate of change for the data graphed on the line.



6. Compare the quantities in Column A and Column B.



Column A

the rate of change for A

Column B

the rate of change for B

- [A] The quantity in Column A is greater.                      [B] The quantity in Column B is greater.  
 [C] The quantities are equal.  
 [D] The relationship cannot be determined from the information given.

[1] D

[2] C

The rate of change is positive; the change in the  $x$ -values is positive and the change in the

[3]  $y$ -values is positive.

$\frac{50}{3}$ , the balloon ascends 1000 ft every 60

[4] seconds.

$\frac{50}{3}$ , the balloon ascends 1000 ft every 60

[5] seconds.

[6] B