

#18 Points possible: 1. Total attempts: 3

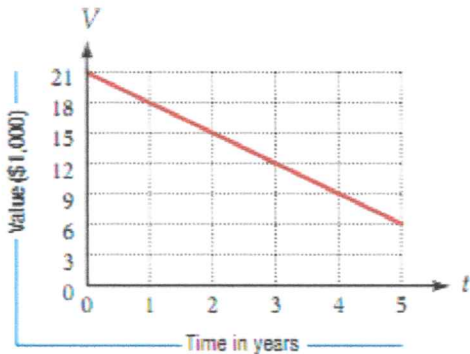
Find the slope of a line perpendicular to the line that passes through  $(-4, -1)$  and  $(-2, 3)$ .

$m =$  \_\_\_\_\_

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#19 Points possible: 1. Total attempts: 3

**Value of a Copy Machine.** Cassandra buys a new color copier for her small business. It will cost \$21,000 and will decrease in value each year. The graph below shows the value of the copier after the first 5 years of ownership.



a. How much is the copier worth after 5 years?

It will be worth \$ \_\_\_\_\_ after 5 years.

b. After how many years is the copier worth \$12,000?

It will be worth \$12,000 after \_\_\_\_\_ years.

c. Find the slope of this line.

The slope of this line is \_\_\_\_\_.

d. By how many dollars per year is the copier decreasing in value?

The copier decreased \$ \_\_\_\_\_ in value per year.

e. Find the equation of this line where  $V$  is the value after  $t$  years.

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