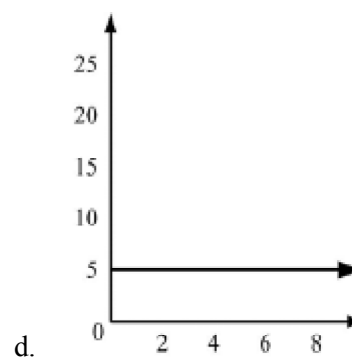
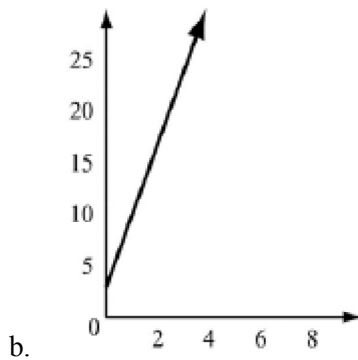
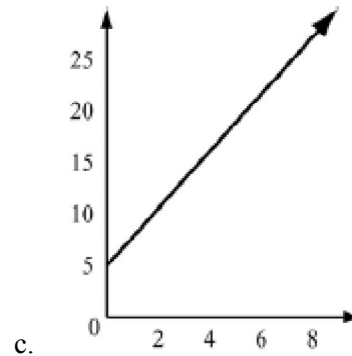
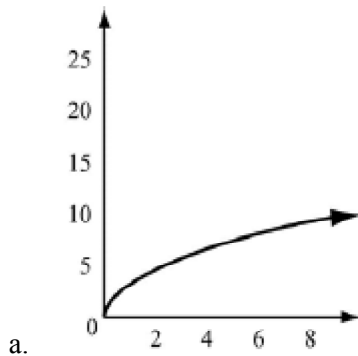


**Unit 03-09 Quiz**

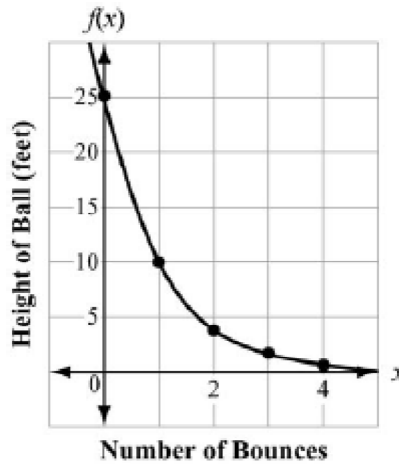
**Multiple Choice**

*Identify the choice that best completes the statement or answers the question.*

- \_\_\_\_\_ 1. To rent a canoe, the cost is \$3 for the oars and life preservers, plus \$5 an hour for the canoe. Which graph models the cost of renting a canoe?



- \_\_\_\_\_ 2. The function graphed on this coordinate grid shows  $f(x)$ , the height of a dropped ball in feet after its  $x^{\text{th}}$  bounce.



On which bounce was the height of the ball 10 feet?

- a. bounce 1  
b. bounce 2  
c. bounce 3  
d. bounce 4
- \_\_\_\_\_ 3. Clarissa rents a booth to sell her necklaces at a craft fair. She uses the function  $p(x) = c \cdot x - k$  to determine the profit she will make if she sells different numbers of necklaces at the craft fair. The expression part  $c \cdot x - k$  of the function has  $c$  and  $k$  representing constants. What did Clarissa most likely use  $c$  to represent?
- a. The cost to make each necklace  
b. The price she charges for each necklace at the fair.  
c. The cost of participating in the craft fair  
d. The profit from participating in the craft fair.
- \_\_\_\_\_ 4. Which is the only relationship below that could **NOT** be modeled by a linear function?

a. 

Hours Worked	3	4	5	6	8	....
Pay	\$36	\$48	\$60	\$72	\$96	....

b. 

Hours Worked	5	6	7	8	9	....
Pay	\$50	\$60	\$72	\$86	\$102	....

c. 

Hours Worked	0	1	3	12	30	....
Pay	\$450	\$450	\$450	\$450	\$450	....

d. 

Hours Worked	1	2	3	4	6	....
Pay	\$20	\$30	\$40	\$50	\$60	....