



Paper-and-pencil assessments will contain multiple choice and gridded response items. Online assessments will also contain technology-enhanced items.

1. Justin compares bank loans in order to buy a car. The table shows the summaries of the bank loans he is offered.

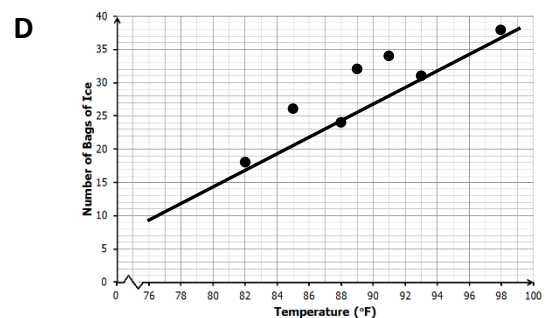
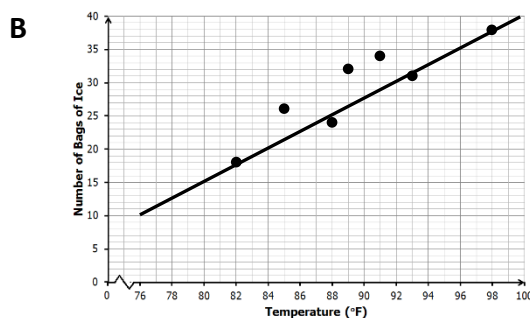
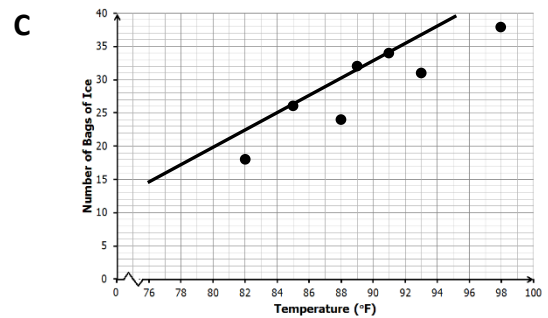
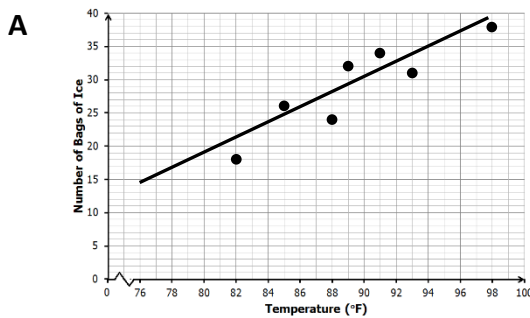
Bank	Loan
Bank 1	a loan of \$12,000 at a rate of 4.5% compounded monthly
Bank 2	a loan of \$15,000 with a payment of \$500 a month

Which statement *best* describes the loans Justin is being offered by the two banks?

- A Both loans represent linear functions.
 - B Both loans represent exponential functions.
 - C The loan from Bank 1 is linear, while the loan from Bank 2 is exponential.
 - D The loan from Bank 2 is linear, while the loan from Bank 1 is exponential.
2. The table shows the average daily temperature versus the number of bags of ice sold at a convenience store.

Temperature (°F)	82	88	93	98	89	91	85
Number of Bags of Ice Sold	18	24	31	38	32	34	26

Which graph *best* depicts the data and the line-of-best fit?



3. Ms. Padilla works 5 days per week for 8 hours per day. She works 48 weeks per year. She makes \$45,000 per year.

How much does Ms. Padilla earn per hour?

- A \$22.50
- B \$23.44
- C \$36.06
- D \$42.67

DIRECTIONS FOR THE GRIDDED RESPONSE QUESTION:

- Question 1 requires you to write your answer in the boxes provided on the back of your answer document.
- Write only the number or symbol in each box, and fill in the circle in each column that matches what you have printed.
- Fill in only 1 circle in each column.

1. The table represents a linear function.

x	$f(x)$
-2	-8
0	-2
2	4
4	10

What is the average rate of change for the function over the interval from $x = -2$ to $x = 2$?

-	/	/	/	/	/
•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9