

TEKS A.1.D



LESSON

4-4

Problem Solving

Graphing Functions

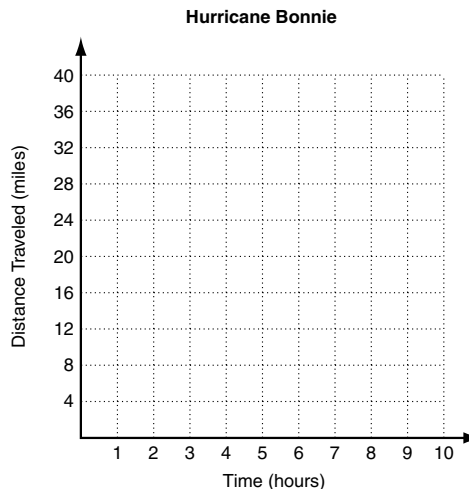
In 1998, Hurricane Bonnie approached the United States at a speed of 8 miles per hour. The function $y = 8x$ describes how many miles y Hurricane Bonnie traveled in x hours.

1. Complete the table by generating ordered pairs.

x	$y = 8x$	(x, y)
0		
1		
2		
3		
4		

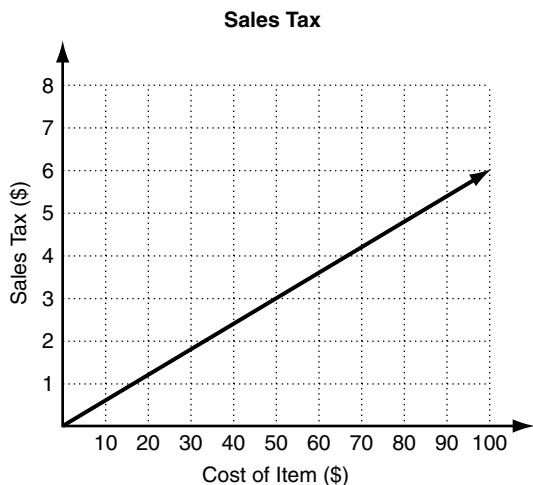
3. Use the graph to estimate how far Hurricane Bonnie traveled in 3.5 hours.
- _____

2. Graph the function $y = 8x$.



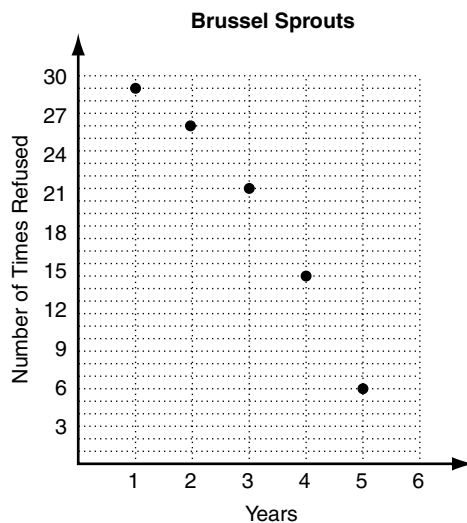
Select the correct answer.

4. The graph below shows the relation between the cost of an item and the sales tax due. Which function is graphed below?



- A** $y = \frac{6}{x}$ **C** $y = \frac{x}{6}$
B $y = 0.06x$ **D** $y = 6x$

5. The graph below shows the relation between Jeremy's age and the number of times per year he refused to eat his brussel sprouts. Which function is graphed for the domain $\{1, 2, 3, 4, 5\}$?



- F** $y = 30 - x$ **H** $y = 30 - x^2$
G $y = x + 28$ **J** $y = 29x$