



# TABE 13&14



## MATHEMATICS PRACTICE ITEMS

## LEVEL D

1. The two legs of a right triangle are 6 feet and 8 feet long.

What is the perimeter of the triangle?

- A. 10 feet
- B. 20 feet
- C. 24 feet
- D. 48 feet

2. A community athletic club holds an election to select a president and vice president. The nominations for selection include 4 females and 3 males.

What is the probability that a female is elected president and a male is elected vice president?

- A.  $\frac{1}{12}$
- B.  $\frac{12}{49}$
- C.  $\frac{2}{7}$
- D.  $\frac{7}{12}$

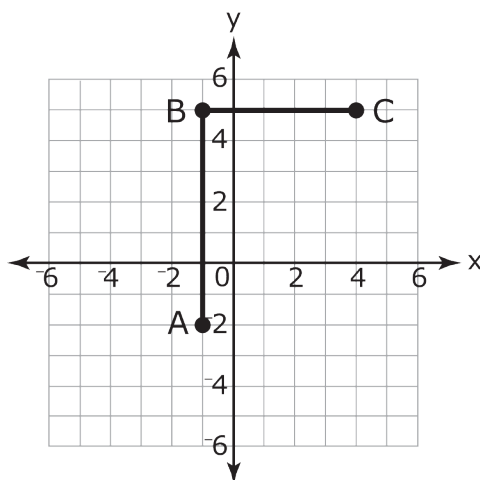


3. An escalator moves at a rate of 2 feet per second. At what rate does the escalator move in miles per hour?

5,280 feet = 1 mile

- A. 0.02 miles per hour
- B. 0.34 miles per hour
- C. 0.68 miles per hour
- D. 1.36 miles per hour

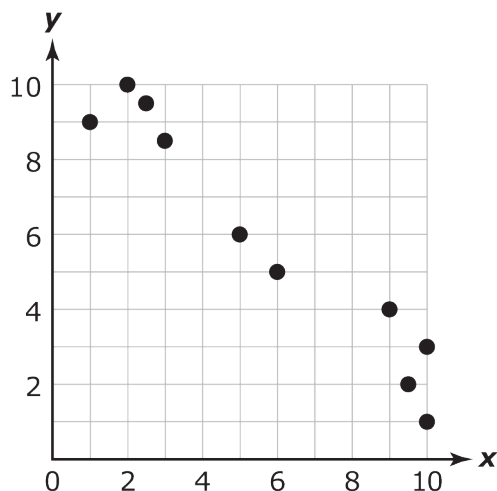
4. Simon plots a cycling route on a map. Each unit represents one kilometer.



What is the total length, in kilometers, of the route?

- A. 6 kilometers
- B. 7 kilometers
- C. 8 kilometers
- D. 12 kilometers

5. Look at the scatter plot



Which type of pattern is displayed in this scatter plot?

- A. a linear positive association with outliers
- B. a linear negative association with clustering
- C. a linear negative association with no outliers
- D. a linear positive association with no clustering

6. The expression  $n(6x+5) - 2x+1$  is equivalent to  $10x + 11$ .

What is the value of  $n$ ?

Enter your answer in the gridded response area.

	/	/	/	
.	.	.	.	.
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9



# TABE 13&14



## Mathematics Practice Answer Key

## LEVEL D

1. C
2. C
3. D
4. D
5. C
6. 2

