



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. $\frac{1}{12}$ ft²
- B. $\frac{12}{49}$ ft²
- C. $\frac{2}{7}$ ft²
- D. $\frac{7}{12}$ ft²

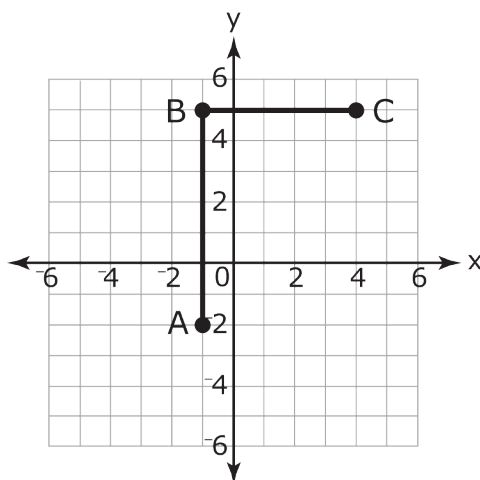


3. An escalator moves at a rate of 2 feet per second. At what rate does the escalator move in miles per hour?

$$5,280 = 1 \text{ mile}$$

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

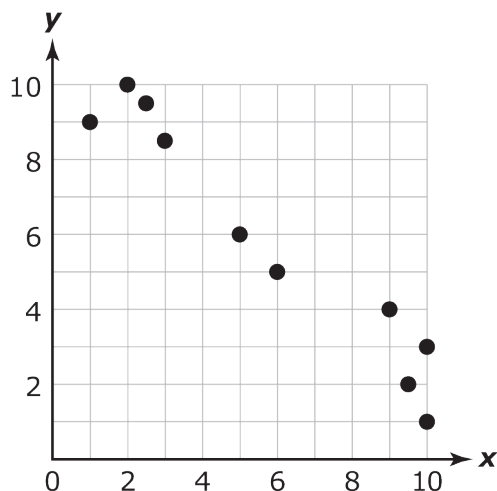
4. Simon plots a cycling route on a map. Each unit represents one kilometer.



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



What is the ratio in ounces per gallon?

- A. 0.8 ounces per gallon
- B. 3.2 ounces per gallon
- C. 12.1 ounces per gallon
- D. 23.7 ounces per gallon

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.

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.	.	.	.	.
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



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Mathematics Practice Answer Key

LEVEL D

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

