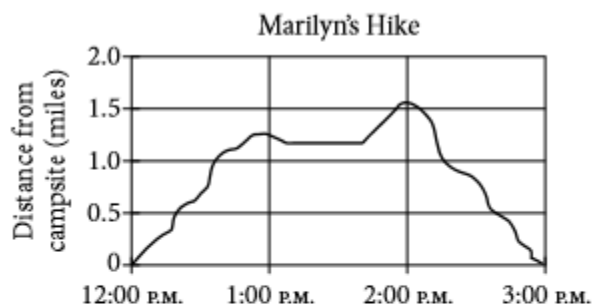


1



The graph above shows Marilyn's distance from her campsite during a 3-hour hike. She stopped for 30 minutes during her hike to have lunch. Based on the graph, which of the following is closest to the time she finished lunch and continued her hike?

- A) 12:40 P.M.
 B) 1:10 P.M.
 C) 1:40 P.M.
 D) 2:00 P.M.

4

n	1	2	3	4
$f(n)$	-2	1	4	7

The table above shows some values of the linear function f . Which of the following defines f ?

- A) $f(n) = n - 3$
 B) $f(n) = 2n - 4$
 C) $f(n) = 3n - 5$
 D) $f(n) = 4n - 6$

2

Gender	Age		Total
	Under 40	40 or older	
Male	12	2	14
Female	8	3	11
Total	20	5	25

The table above shows the distribution of age and gender for 25 people who entered a contest. If the contest winner will be selected at random, what is the probability that the winner will be either a female under age 40 or a male age 40 or older?

- A) $\frac{4}{25}$
 B) $\frac{10}{25}$
 C) $\frac{11}{25}$
 D) $\frac{16}{25}$

6

$$3x^2 - 5x + 2$$

$$5x^2 - 2x - 6$$

Which of the following is the sum of the two polynomials shown above?

- A) $8x^2 - 7x - 4$
 B) $8x^2 + 7x - 4$
 C) $8x^4 - 7x^2 - 4$
 D) $8x^4 + 7x^2 - 4$

If $\frac{3}{5}w = \frac{4}{3}$, what is the value of w ?

- A) $\frac{9}{20}$
- B) $\frac{4}{5}$
- C) $\frac{5}{4}$
- D) $\frac{20}{9}$

If the function f has five distinct zeros, which of the following could represent the complete graph of f in the xy -plane?

