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Released Test Questions

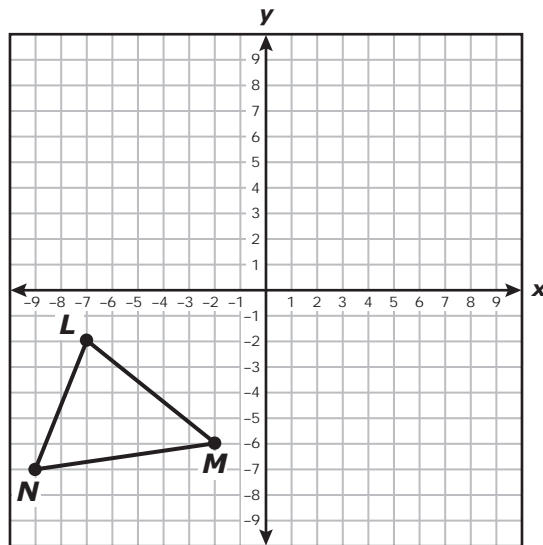
$$\frac{3}{4}$$

$$3x = 27$$

7 Which of the following statements is true?

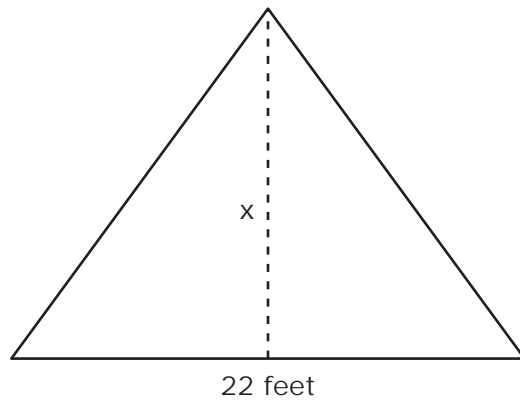
- A All trapezoids are similar.
- B All isosceles triangles are similar.
- C All equilateral triangles are similar.
- D All rectangles are similar.

8 Triangle LMN is shown on the coordinate grid below.



If triangle LMN is reflected across the y-axis, which of the following best represents a vertex of the resulting triangle?

- A (2, -6)
- B (-9, -7)
- C (-7, 2)
- D (-2, 6)



What is x , the height of the sail?

- A 7.5 feet
- B 15 feet
- C 11 feet
- D 30 feet

Released Test Questions

- 12 Marcie and Leah are playing a game by rolling two number cubes with faces numbered 1 through 6. Marcie gets a point when the sum of the two numbers faceup on the cubes is an even number, and Leah gets a point when the sum of the two numbers is greater than 7. The table below shows all possible sums for the two numbers faceup on the cubes.

Sum of Two Number Cubes

		Cube 1					
		1	2	3	4	5	6
Cube 2	1	2	3	4	5	6	7
	2	3	4	5	6	7	8
	3	4	5	6	7	8	9
	4	5	6	7	8	9	10
	5	6	7	8	9	10	11
	6	7	8	9	10	11	12

Which girl is most likely to get a point on the first roll?

- A Marcie is more likely to get a point, because $\frac{18}{36} < \frac{21}{36}$.
- B The girls are equally likely to get a point, because $\frac{18}{36} = \frac{18}{36}$.
- C Marcie is more likely to get a point, because $\frac{18}{36} > \frac{15}{36}$.
- D Leah is more likely to get a point, because $\frac{21}{36} > \frac{18}{36}$.

- 13 The ABC Trucking Company keeps records of the weekly distances driven by each of its drivers. The distances driven by Cheryl during the last 4 weeks are shown in the table.

Distance Driven

Week	Distance (miles)
1	2,892
2	2,892
3	2,967
4	2,763

Which measure of the data would NOT be a good predictor of the number of miles that Cheryl may drive next week?

- A Mean
- B Median
- C Mode
- D Range

Answer Key