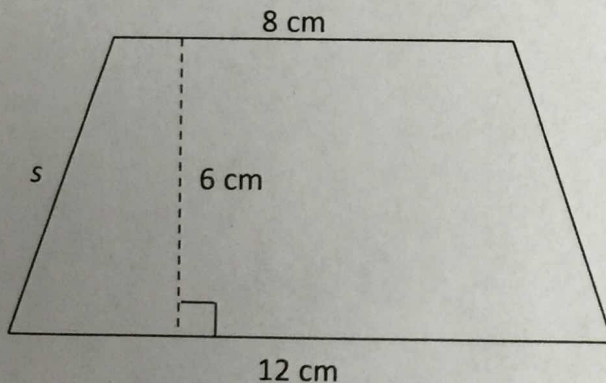


**Warm-up 7/8-unit 6**

Name: \_\_\_\_\_

1. How will the volume of a three-dimensional figure be affected when a scale factor of 6 is applied to create a new three-dimensional figure?
  - A. The volume of the new figure will be 216 times the volume of the original figure.
  - B. The volume of the new figure will be 36 times the volume of the original figure.
  - C. The volume of the new figure will be 18 times the volume of the original figure.
  - D. The volume of the new figure will be 6 times the volume of the original figure.

2. Mr. Rice drew the isosceles trapezoid shown below on the chalkboard. Which procedure could be used to find  $s$ , the length of the missing side of the trapezoid?



- A. Find the square root of the sum of  $12^2$  and  $8^2$ .
- B. Find the square root of the sum of  $6^2$  and  $4^2$ .
- C. Find the square root of the sum of  $12^2$  and  $6^2$ .
- D. Find the square root of the sum of  $6^2$  and  $2^2$ .