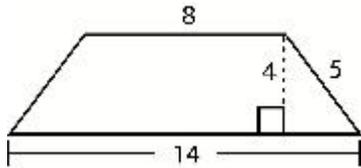


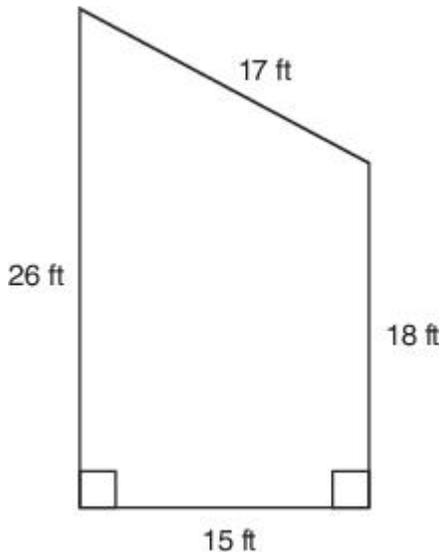
Directions: Please choose the best answer choice for each of the following questions.

1. What is the area of the trapezoid below?



- A. 44
- B. 55
- C. 70
- D. 112

2. Mr. Sabine is painting a wall shaped like a trapezoid, as shown.



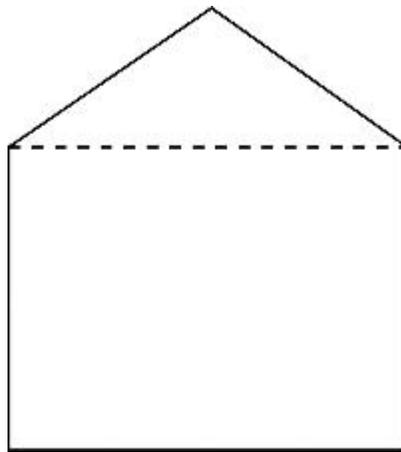
What is the area of the wall?

- A. 270 ft^2
 - B. 288 ft^2
 - C. 330 ft^2
 - D. 390 ft^2
3. If the area of a square is made four times as great, how is the perimeter changed?
- A. remains the same
 - B. becomes twice as great
 - C. becomes four times as great
 - D. becomes eight times as great

4. Your class is building a rectangular-shaped garden that is 30 feet long and 18 feet wide. You want to put stakes in the ground every 3 feet around the perimeter. How many stakes will you need?

- A. 30 stakes
- B. 32 stakes
- C. 34 stakes
- D. 36 stakes

5. Mrs. Pratt has a window in the shape of an isosceles triangle on top of a rectangle, as shown in the diagram.



The rectangular part of the window is 8 ft wide and 9 ft tall. The triangular part is 3 ft tall. How many square feet of glass are in the window?

- A. 72
 - B. 84
 - C. 86
 - D. 96
6. Which of the following is the inverse of the following statement?
"If two segments are congruent, then the two segments have the same length."
- A. If two segments have the same length, then the two segments are congruent.
 - B. If two segments are congruent, then the two segments do NOT have the same length.
 - C. If two segments are NOT congruent, then the two segments do NOT have the same length.
 - D. If two segments do NOT have the same length, then the two segments are NOT congruent.

Go on to the next page »

7. Which of the following is the converse of the following statement?
"If you are a native of Florida, then you were born in Florida."
- A. If you were NOT born in Florida, then you are NOT a native of Florida.
 - B. If you were born in Florida, then you are a native of Florida.
 - C. If you are NOT a native of Florida, then you were born in Florida.
 - D. You are a native of Florida if and only if you were born in Florida.
8. Which of the following is the inverse of the following statement?
"If two lines have a common point, then the two lines intersect."
- A. If two lines do NOT have a common point, then the two lines do NOT intersect.
 - B. If two lines do NOT have a common point, then the two lines intersect.
 - C. If two lines intersect, then the two lines do NOT have a common point.
 - D. If two lines intersect, then the two lines have a common point.
9. Which of the following is the converse of the following statement?
"If a number ends in 7, then the number is odd."
- A. If a number is odd, then the number ends in 7.
 - B. If a number is NOT odd, then the number does NOT end in 7.
 - C. If a number does NOT end in 7, then the number is NOT odd.
 - D. If a number ends in 7, then the number is NOT odd.
10. Which of the following is the contrapositive of the following statement?
"If an animal is a dog, then the animal has four legs."
- A. If an animal has four legs, then the animal is a dog.
 - B. If an animal is NOT a dog, then the animal does NOT have four legs.
 - C. If an animal is a dog, then the animal does NOT have four legs.
 - D. If an animal does NOT have four legs, then the animal is NOT a dog.

Stop! You have finished this exam.