Add 'Em Up

The manager of a car dealership wants to attach a rope with flags to the top of a pole and to a stake in the ground, as shown in the diagram.

Based on the diagram, what is the distance in feet from the top of the pole to the bottom of the stake?

Point J (−4, −6) and point K (4, 4) are located on a coordinate grid.

Which measurement is closest to the distance between point J and point K in units?

F 18 units

G 6 units

H 13 units

J 9 units

A rectangle's perimeter and its area have the same numerical value. The width of the rectangle is 3 units. What is the length of the rectangle in units?

Paula completely covered a square wall using 87.5 ft^2 of wallpaper without any overlap. Which measurement is closest to the side length of this wall in feet?

A 22 ft

B 44 ft

C 9 ft

D 7 ft

A rectangular prism and its dimensions are shown in the diagram.

What is the total surface area of this prism in square inches?