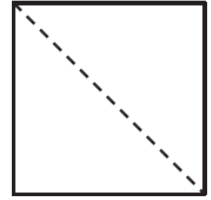
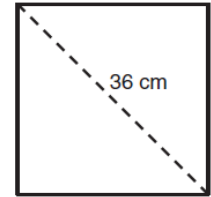


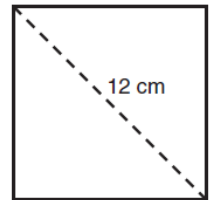
13. The perimeter of the square is 32 centimeters. Calculate the exact length of the diagonal.



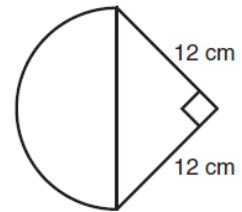
14. The length of a diagonal of the square is 36 centimeters. Calculate the exact length of each side.



15. The length of a diagonal of the square is 12 centimeters.
- Calculate the exact length of each side.
 - What is its area?



16. Calculate the area of the figure shown using the information given and following the steps below. The figure is composed of a triangle and a semicircle. Use 3.14 for π .
- Find the area of the triangle.
 - What is the exact diameter of the circle?
 - What is the exact radius of the circle?
 - Find the area of the semicircle.
 - What is the total area?



17. The length of the diagonal of the square in the figure shown is 60 inches. The figure is composed of a square and a semicircle.
- Calculate the exact length of one side of the square.
 - What is the exact length of three sides?
 - What is the exact radius of the circle?
 - Find the exact circumference of the semicircle.
 - What is the perimeter of the figure? Round your answer to the nearest hundredth.

