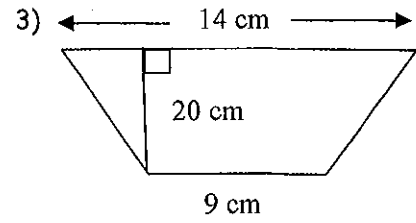
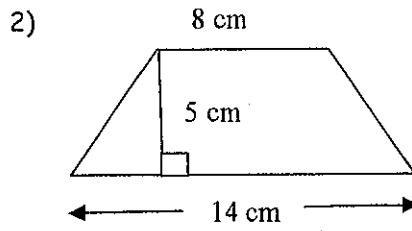
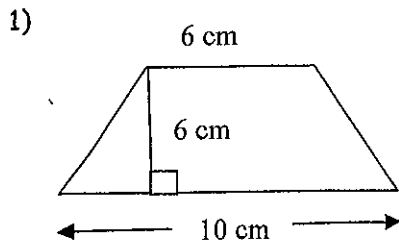


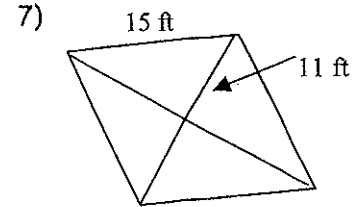
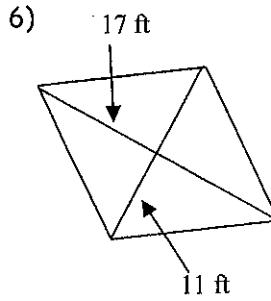
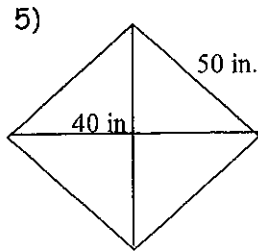
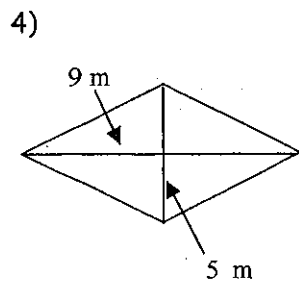
Area of Trapezoids, Rhombus and Kites

Name \_\_\_\_\_

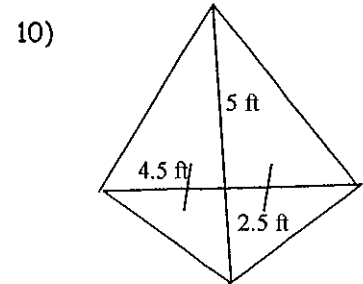
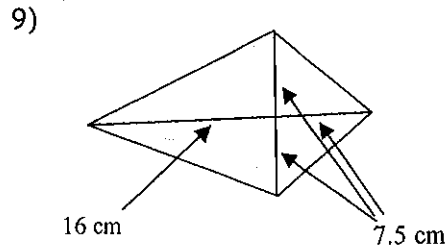
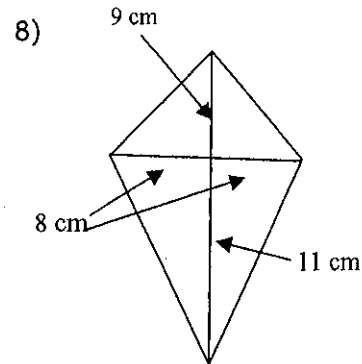
Find the area of each trapezoid.



Find the area of each rhombus. Round to the nearest tenth, if necessary.

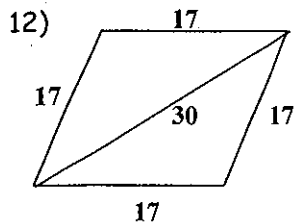
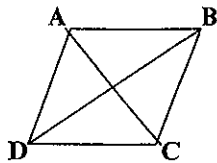


Find the area of each kite. Round your answer to the nearest tenth.



Find the Area

11) Rhombus ABCD with  $AC = 10$  and  $BD = 17$



13) The area of a rhombus is 90 square units. If one diagonal is 10 units, find the length of the other diagonal.

14) A rhombus has a perimeter of 100 meters and a diagonal 30 meters long. Find the area of the rhombus.

15) A rhombus has an area of 20 and one diagonal of length 12. Find the length of the other diagonal.

16) The length of one of the diagonals of a kite is 4 cm longer than twice the length of the other diagonal. The area of the kite is  $15 \text{ cm}^2$ . Find the length of each diagonal.

17) The length of one of the diagonals of a rhombus is 5 cm less than the length of the other diagonal. The area of the rhombus is  $33 \text{ cm}^2$ . Find the length of each diagonal.