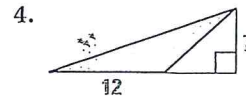
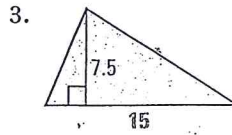
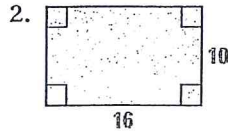
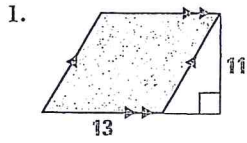


Math 2 Ch 11 Area Practice

Use the formula sheet when needed to solve each problem.

Find the area of the polygon.



The lengths of the hypotenuse and one leg of a right triangle are given. Find the perimeter and area of the triangle.

5. Hypotenuse: 25 cm; leg: 20 cm

6. Hypotenuse: 51 ft; leg: 24 ft

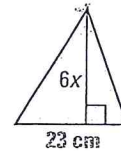
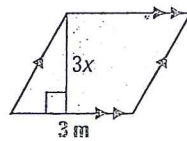
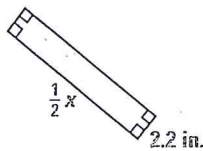
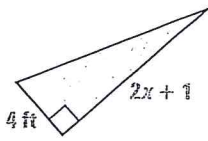
Find the value of x .

7. $A = 22 \text{ ft}^2$

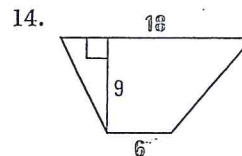
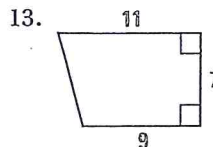
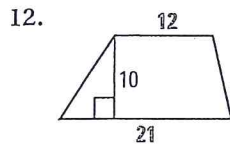
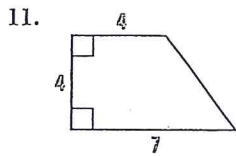
8. $A = 14.3 \text{ in.}^2$

9. $A = 7.2 \text{ m}^2$

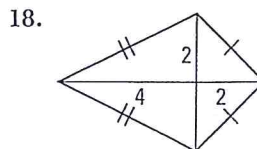
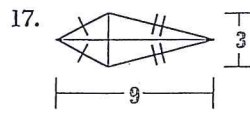
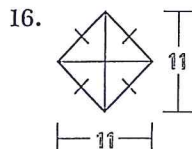
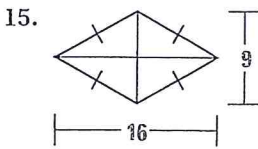
10. $A = 276 \text{ cm}^2$



Find the area of the trapezoid.



Find the area of the rhombus or kite.



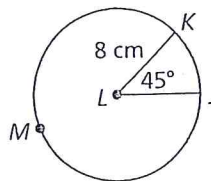
19. radius of a circle with a circumference of 42π meters

21. area of a circle with a diameter of 19.2 centimeters

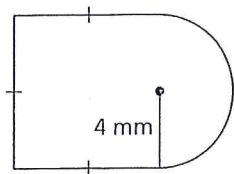
20. circumference of a circle with a radius of 27 feet

22. radius of a circle with an area of 1017.9 square meters

23. Find the length of KL and the area of sector KLJ



24. Find the perimeter of the figure



25. Find the area of the shaded region

