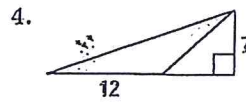
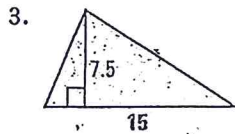
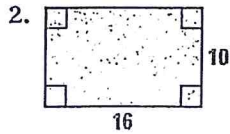
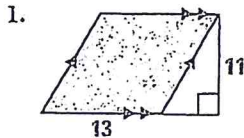


# Math 2 Ch 11 Area Practice

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 area of:



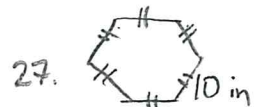
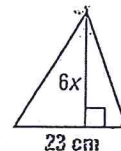
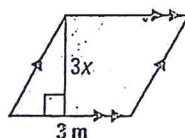
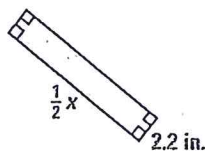
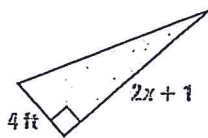
Find the value of  $x$ .

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

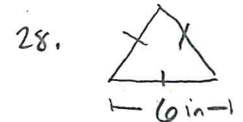
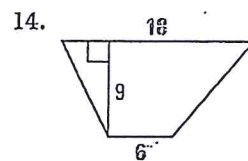
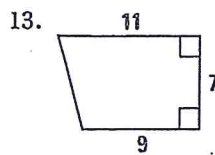
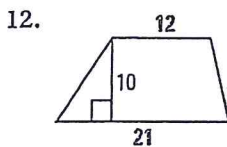
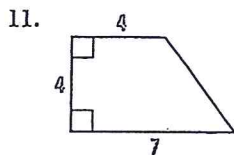
8.  $A = 14.3 \text{ in.}^2$

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

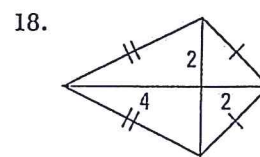
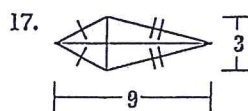
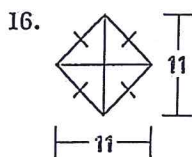
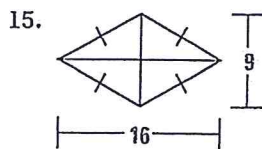
10.  $A = 276 \text{ cm}^2$



Find the area of the trapezoid.



Find the area of the rhombus or kite.



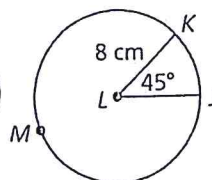
19. radius of a circle with a circumference of  $42\pi$  meters

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

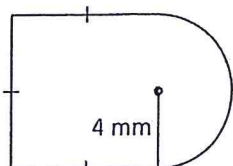
20. circumference of a circle with a radius of 27 feet

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

23. Find the length of  $\overline{KT}$  and the area of sector  $KLJ$  (the smaller one)



24. Find the perimeter of the figure



25. Find the area of the shaded region

