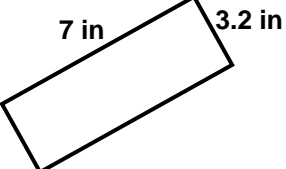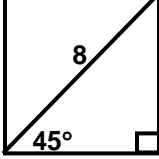NAME_____DATE_____PER._____

AREA & PERIMETER OF QUADRILATERALS and TRIANGLES

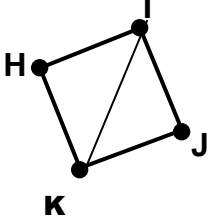**Find the perimeter and area of each rectangle.**

1. P = _____

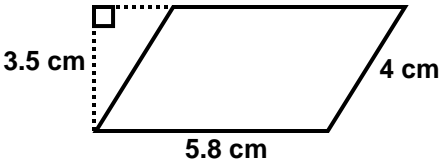   A = _____

    7 in   3.2 in

2. P = _____

    A = _____

    8

    45°

Find the indicated measures.
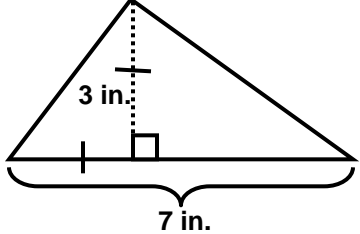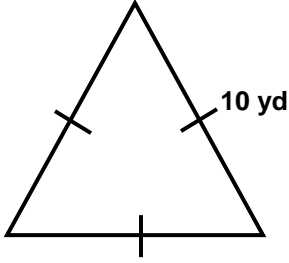
3. P = _____

    The area of a square is 64 cm². What is the perimeter?

Use the square to answer the questions that follow.
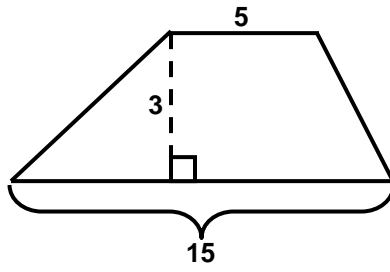
4. _____

    Find the area of square HIJK.
    The perimeter of this square is 28.

    H   I   J   K

5. _____

    Find the perimeter of square HIJK if its area is 121.

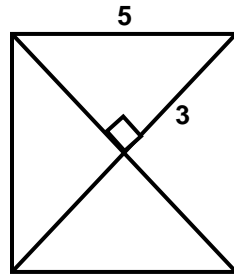|	
6. P = _____ A = _____	 3.5 cm 4 cm 5.8 cm
7. b = _____	The area of a parallelogram is 340 in². The height is 17 in. Find the length of the base.

Find the indicated measure(s).

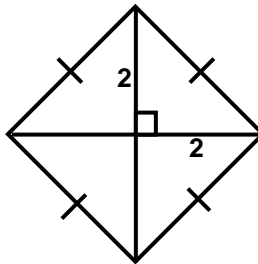|	
8. P = _____ A = _____	 3 in. 7 in.
9. P = _____ A = _____	 10 yd
10. b = _____	The area of a triangle is 150 in². If the height is 20 inches, find the length of the base.

11. A = _____	5 3 15
12. P = _____ A = _____	5 3
13. P =_____ A = _____	2 2
14. P =_____ A = _____	10 45° $8\sqrt{2}$
15. P = _____ A = _____	60° 6
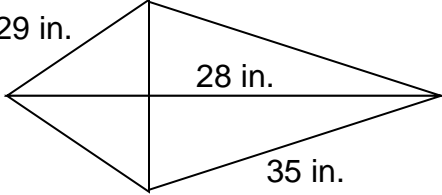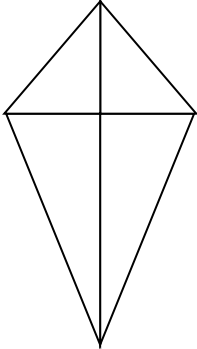
16. _____	A rhombus has an area of 60 square centimeters. If the length of one diagonal is 12 cm, find the length of the other.
17. P = _____ A = _____	*Figure is a kite. 29 in. 28 in. 35 in.
18. d = _____	Christina is making the following kite. If the area of the kite is to be 187.5 in^2 and the shorter of the two diagonals is 15 inches, what should be the length of the longer diagonal?
19. P = _____ A = _____	Find the area and perimeter of an isosceles trapezoid with legs 25 cm and bases 16 cm and 30 cm. (Draw a picture.)