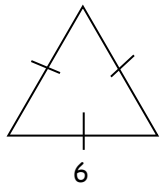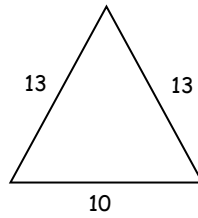Area of Parallelograms, Triangles, Rhombi, Kites and Trapezoids
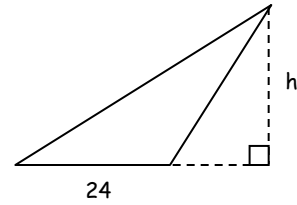
1. Find area.

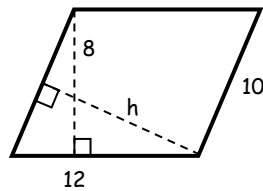2. Find area.

13   13

10

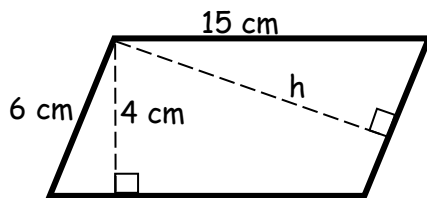3. If the area is 240 u², find the height.

h

24

4. Find the area. Use
   the answer to find h.

8

h

10

12

5. Find the area of the trapezoid.

15

21

25
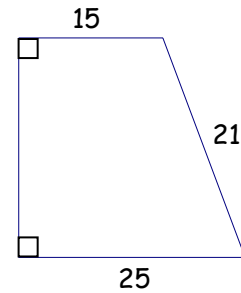
6. Find the area, height, and perimeter.

15 cm

6 cm   4 cm   h

7. Find the area.

10 cm   10 cm

6

10 cm   10 cm
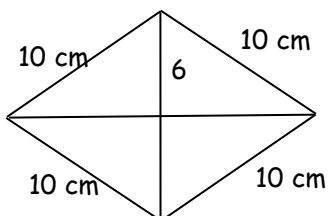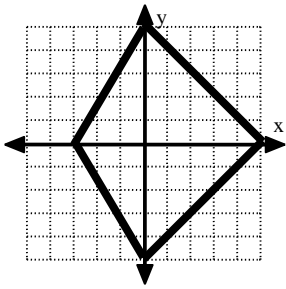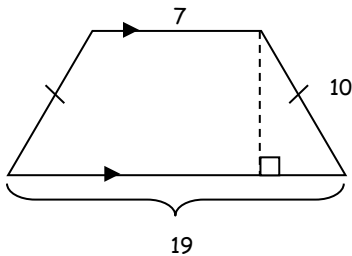
8. The perimeter of a rhombus is 52 ft.
   One diagonal is 10 ft. Find the length
   of the other diagonal.
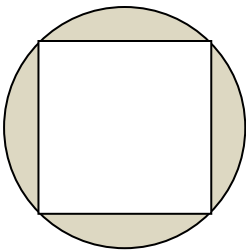
9. Find the area of the kite.

10. The area of a kite is 100 sq cm. Find the length of the diagonals if one is twice as long as the other.

11. Find the area.

12. A trapezoid has an area of 75 sq inches. Its two bases are 8 and 17 inches. Find the height of the trapezoid.

13. Find the shaded area (area inside circle but outside the square. The side of the square is 8 inches.

14. The town's new playground design is shown at the right. The main area is a square with sides of 50 yards. On two sides of the square is a semicircular area. The smaller semicircular area has a diameter half the size of the larger. What is the area of the new playground?

50 yds