

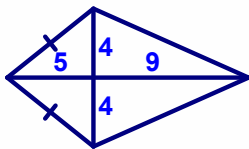
1.

Find the area of a kite with diagonals 6 and 20

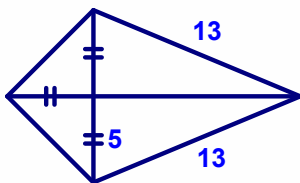
2.

Find the area of each kite.

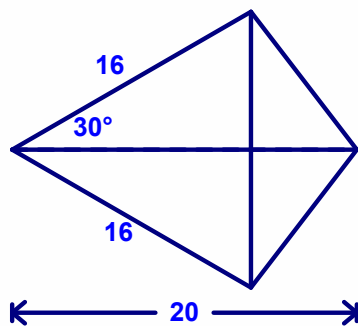
a.



b.



c.

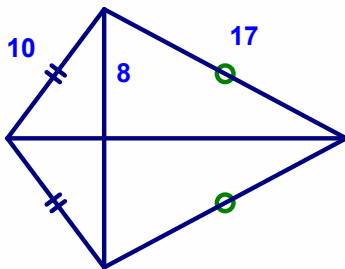


3.

The area of a kite is 20. The longer diagonal is 8. Find the shorter diagonal.

4.

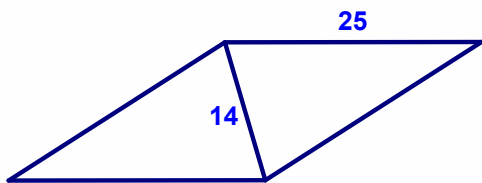
Find the area of the kite shown.



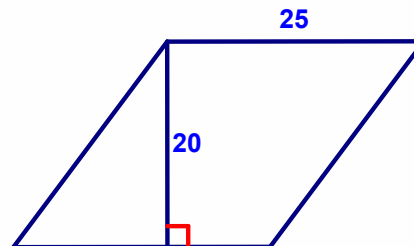
5.

Find the area of each rhombus.

a.

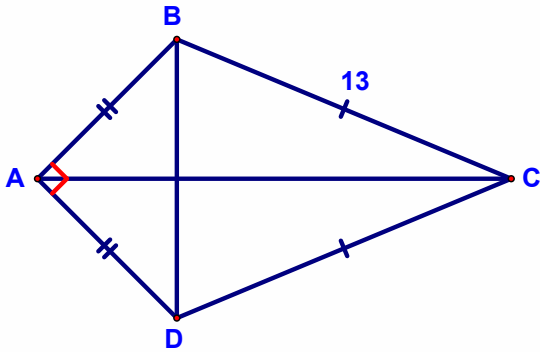


b.



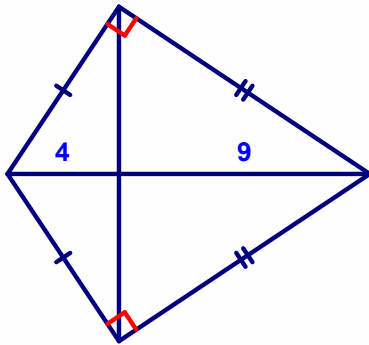
6.

If ABCD is a kite with  $\angle BAD$  a right  $\angle$  and  $BD = 10$ , find the area of ABCD.



7.

Find the area of the kite shown.

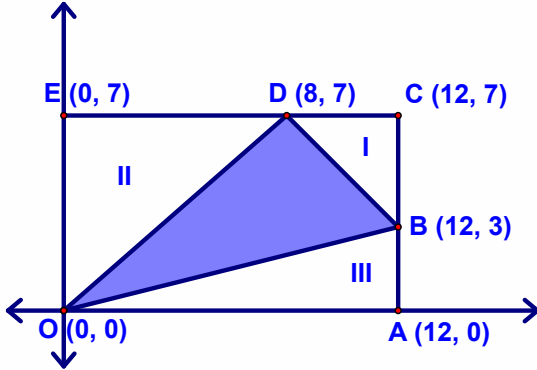


8.

Find the area of a rhombus with a perimeter of 40 and one angle of  $60^\circ$ .

9.

- a. Find the areas of region I, region II, and region III.
- b. Find the area of  $\triangle OBD$



10.

Given a rhombus with diagonals 18 and 24, find the height.