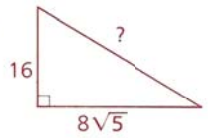
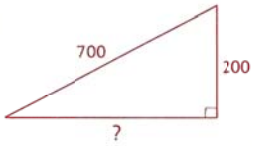
Name
Ms. Kresovic
Adv Geo –
12 March 2013
Special Families, 9.6 day 2

9 Use the reduced-triangle principle to find each missing side.

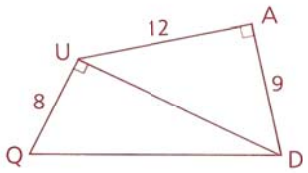
a



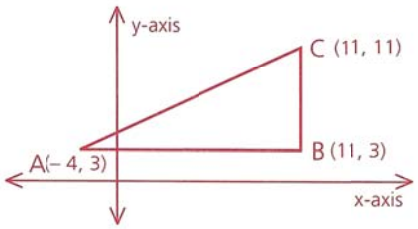
b



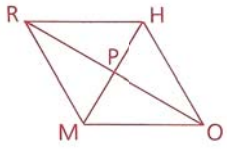
10 Find QD.



11 Find the perimeter and the area of $\triangle ABC$.



12 RHOM is a rhombus with diagonals RO = 48 and HM = 14. Find the perimeter of the rhombus.

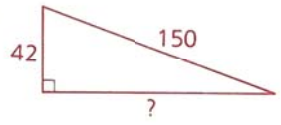


Problem Set B

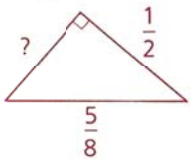
13 Mary and Larry left the riding stable at 10 A.M. Mary trotted south at 10 kph while Larry galloped east at 16 kph. To the nearest kilometer, how far apart were they at 11:30?

15 Find the missing side of each triangle.

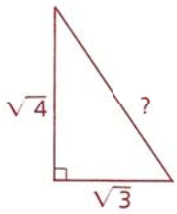
a



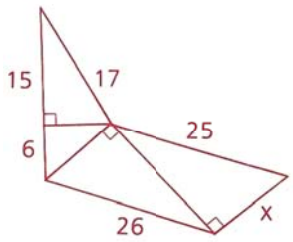
b



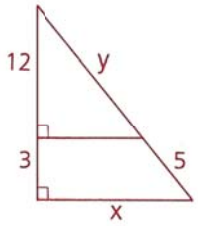
c



16 **a** Find x.



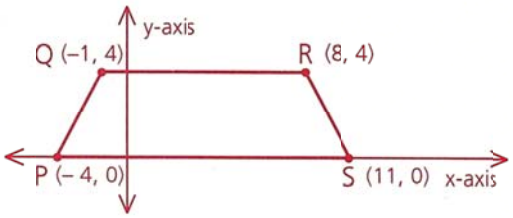
b Find x and y.



17 **a** What is the most descriptive name for quadrilateral PQRS?

b Find the area of PQRS.

c Find PR and QS.



18 A submarine travels an evasive course, trying to outrun a destroyer. It travels 1 km north, then 1 km west, then 1 km north, then 1 km west, and so forth, until it has traveled a total of 41 km. How many kilometers is the sub from the point at which it started?