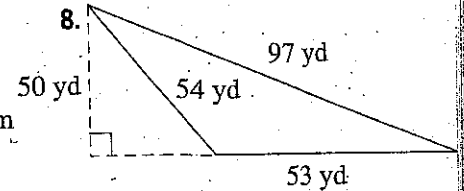
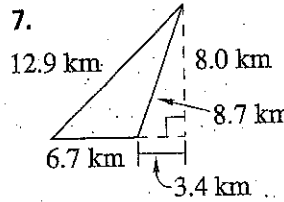
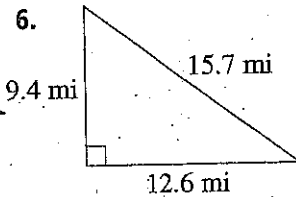
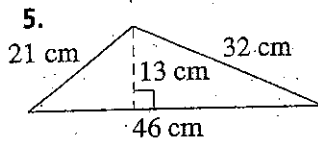
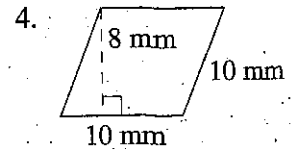
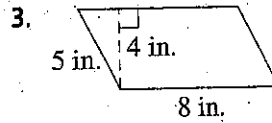
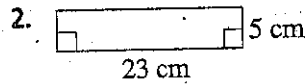
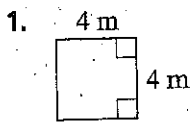


# Practice 8-2

## Areas of Parallelograms and Triangles

Find the area of each parallelogram and triangle.



Find the area of each figure.

9. rectangle:  $l = 16$  mm,  $w = 12$  mm

10. triangle:  $b = 23$  km,  $h = 14$  km

11. square:  $s = 27$  ft

12. rectangle:  $l = 65$  mi,  $w = 48$  mi

13. triangle:  $b = 19$  in.,  $h = 15$  in.

14. square:  $s = 42$  m

Solve.

15. The area of a triangle is 6 square units. Both the height and the length of the base are whole numbers. What are the possible lengths and heights?

16. The perimeter of a rectangle is 72 m. The width of the rectangle is 16 m. What is the area of the rectangle?

17. The area of a certain rectangle is  $288 \text{ yd}^2$ . The perimeter is 68 yd. If you double the length and width, what will be the area and perimeter of the new rectangle?

18. If you have 36 ft of fencing, what are the areas of the different rectangles you could enclose with the fencing? Consider only whole-number dimensions.