Practice 6-4

Find the area of each trapezoid.

1.
18 ft
9 ft   11 ft
12 ft

_____

2.
16.4 mm
10.6 mm   9.7 mm   10.6 mm
24.8 mm

_____

3.
12 in.
15 in.   17 in.
20 in.

_____

4.
21.5 mi
7 mi
12 mi   9 mi
6 mi

_____
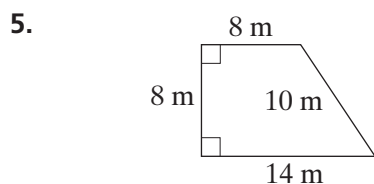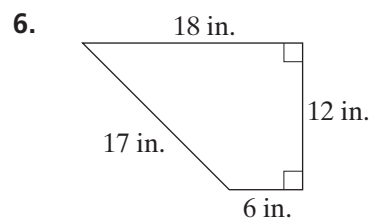
5.
8 m
8 m   10 m
14 m

_____

6.
18 in.
12 in.
17 in.
6 in.

_____
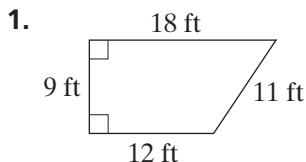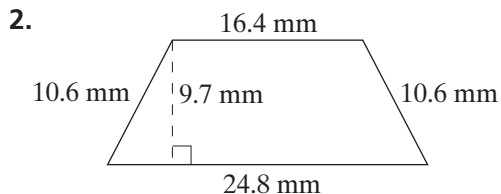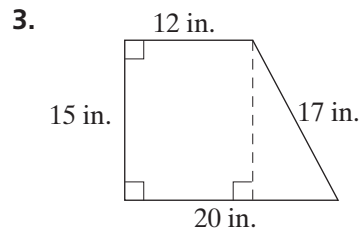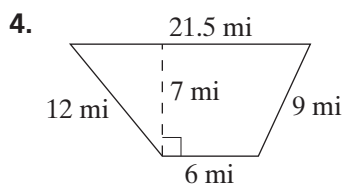
Find the area of each irregular figure.

7. 6 ft   18 ft
26 ft
39 ft
29 ft

_____

8.
12 cm
3 cm
9 cm   4 cm   2 cm
7 cm

_____

9.
64 m
31 m   58 m

_____
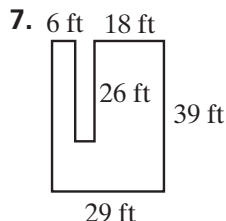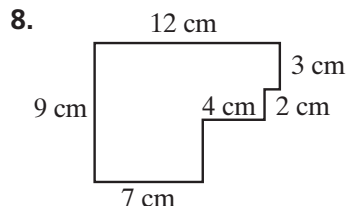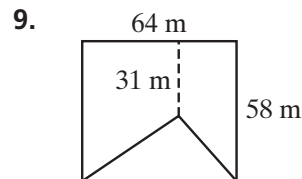
Solve.

10. The flag of Switzerland features a white cross on a red background.

   a. Each of the 12 sides of the cross has a length of 15 cm.
   Find the area of the white cross.   _____

   b. The flag has dimensions 60 cm by 60 cm.
   Find the area of the red region.   _____

11. A trapezoid has an area of 4 square units, and a height of 1 unit. What are
the possible whole-number lengths for the bases?   _____