Name _____
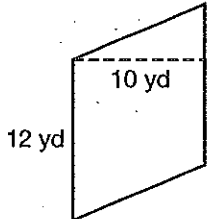
Area of Parallelograms

Find each area. The dashed line is a height.

1. _____

7 cm
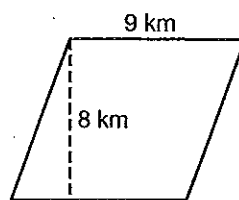
4 cm

2. _____

10 yd

12 yd

3. _____

9 km

8 km

4. _____

42 in.

63 in.

5. _____

17 mm

28 mm

6. _____

3.7 ft

7.1 ft

7. _____

6.5

6.3

8. _____

2.3 cm 3.1 cm

9. _____

8.1 in.

11.3 in.
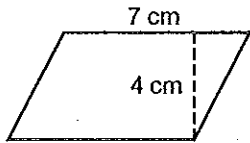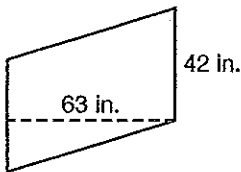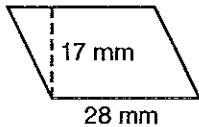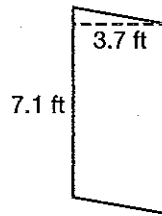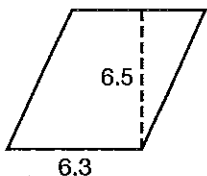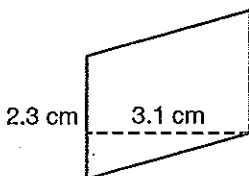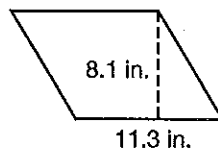
Find the area if b is the base and h is the height of the parallelogram.

10. $b = 5$ cm, $h = 7$ cm

11. $b = 8.6$ m, $h = 12.0$ m

12. $b = 8.4$ m, $h = 5.3$ m

_____   _____   _____

13. $h = 83$ in., $b = 104$ in.

14. $b = 23$ cm, $h = 8.7$ cm

15. $h = 2.1$ mi, $b = 2.5$ mi

_____   _____   _____

16. A woodworker built a table whose top was inlaid with a parallelogram with base 8 in. and height 9.5 in. What was the area of the inlay?   _____
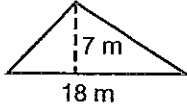
17. An unusual tabletop has the shape of a parallelogram with base 147 cm and height 136 cm. What is the area of the tabletop?   _____
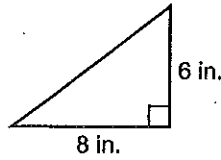
Area of Triangles

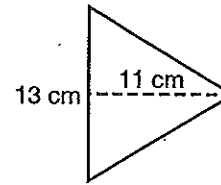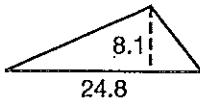Find the area of each triangle. The dashed line is a height.

1. _____

7 m
18 m

2. _____

6 in.
8 in.

3. _____

13 cm | 11 cm

4. _____

8.1
24.8

5. _____

21.36 yd
18 yd

6. _____

11.7 m | 12.9 m

7. _____

8.3 ft
7 ft

8. _____

3.2 cm
5.3 cm

9. _____

7.8 mi
4.7 mi
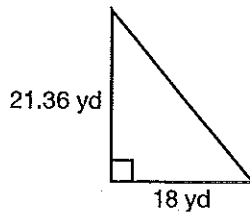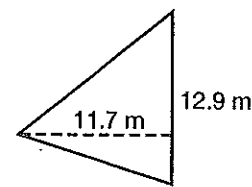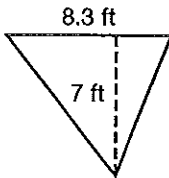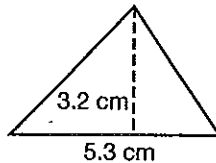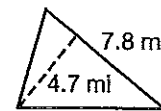
Find the area if *b* is the base and *h* is the height of the triangle.

10. $b = 12$ ft, $h = 5$ ft

11. $h = 9$ cm, $b = 11$ cm

12. $b = 4.2$ mi, $h = 6$ mi

_____ _____ _____

13. $h = 7.3$, $b = 12.4$

14. $b = 8.37$ in., $h = 10.4$ in. **15.** $h = 2.8$ km, $b = 5.8$ km

_____ _____ _____

16. $b = 9.6$ yd, $h = 6.42$ yd **17.** $h = 20.6$ cm, $b = 6.4$ cm **18.** $b = 3.8$ ft, $h = 9.1$ ft

_____ _____ _____

19. Geography The state of New Hampshire has the
approximate shape of a triangle with base 90 mi and
height 180 mi. Estimate the area of New Hampshire.

_____