Name _____ Date _____

Practice B
For use with pages 720–726
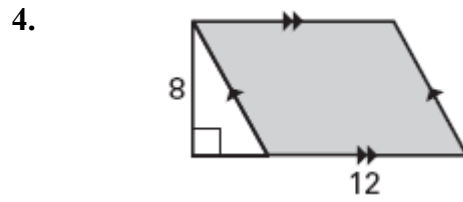
Find the area of the polygon.

1.

6

16

2.

11

3.

9

14

4.

8

12

5.

15

19

6.

7

13

18
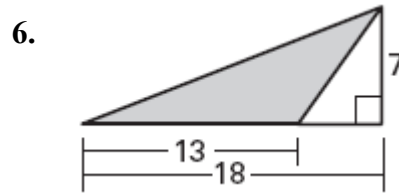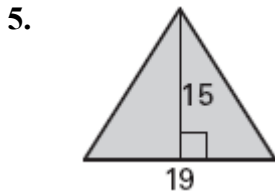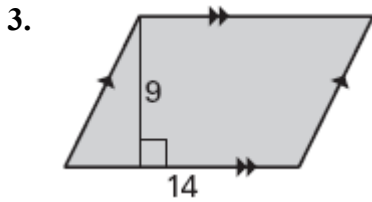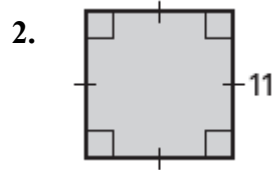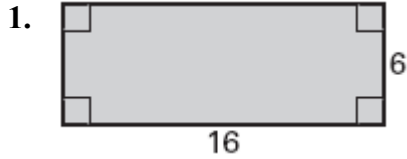
The lengths of the hypotenuse and one leg of a right triangle are given. Find the perimeter and area of the triangle.
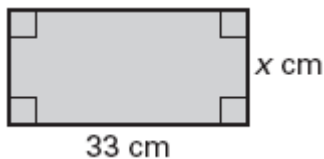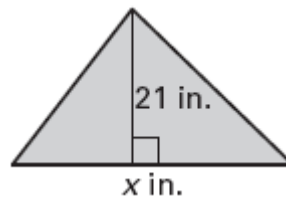
7. Hypotenuse: 26 cm; leg: 24 cm

8. Hypotenuse: 85 in.; leg: 77 in.

Find the value of x.
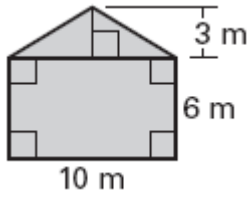
9. $A = 528 \text{ cm}^2$
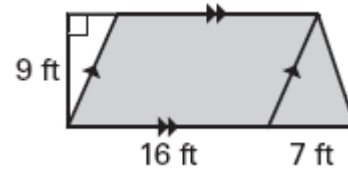

x cm

33 cm

10. $A = 399 \text{ in.}^2$

21 in.

x in.

Find the area of the shaded polygon.

11.

3 m

6 m

10 m

12.

9 ft

16 ft   7 ft

13.

12 in.

11 in.   22 in.   8 in.

14.

10 cm

14 cm

26 cm

15.

15 mm

38 mm

8 mm

16.

23 ft

24 ft   32 ft   18 ft
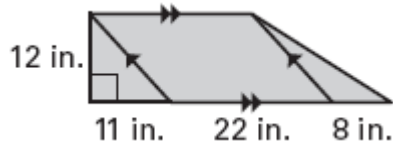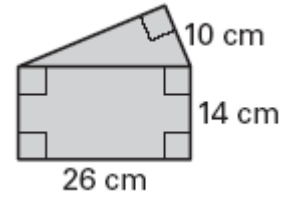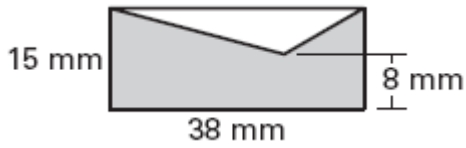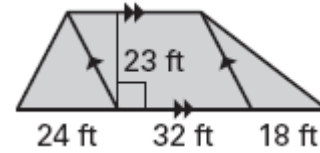
Find the height and area of the polygon.

17.

12 in.

45°

20 in.

18.

11 m

17 m   60°
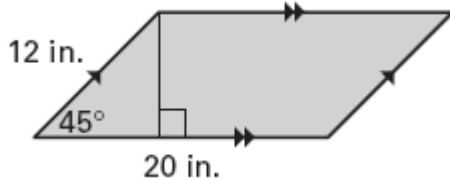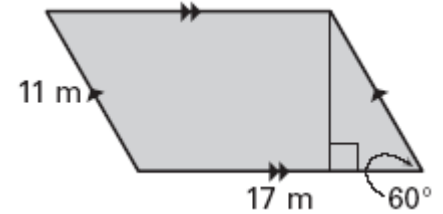
19. You have an envelope that is 9.5 inches by 4.2 inches and has a triangular flap with a height of 2.4 inches. What is the area of the envelope shown in the diagram?

2.4 in.

4.2 in.

9.5 in.