

# Practice 1-7

## Perimeter, Circumference, and Area

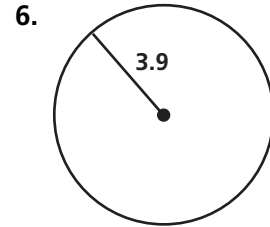
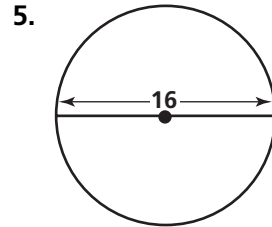
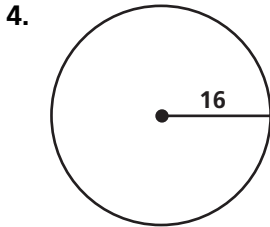
Find the area of each rectangle with the given base and height.

1. base: 3 ft  
height: 22 in.

2. base: 60 in.  
height: 1.5 yd

3. base: 2 m  
height: 120 cm

Find the circumference of each circle in terms of  $\pi$ .



Find the perimeter and area of each rectangle with the given base and height.

7.  $b = 7$  cm,  $h = 6$  cm

8.  $b = 21$  cm,  $h = 2$  cm

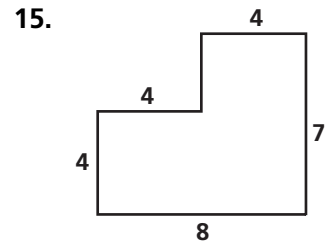
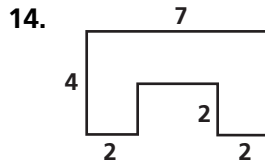
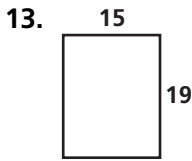
9.  $b = 4$  in.,  $h = 10.5$  in.

10.  $b = 17$  ft,  $h = 3$  ft

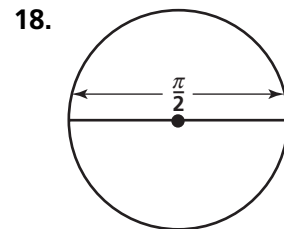
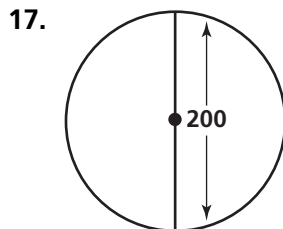
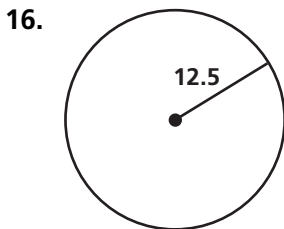
11.  $b = 11$  m,  $h = 9$  m

12.  $b = 13$  m,  $h = 7$  m

Find the perimeter and area of each figure. All angles in the figures are right angles.



Find the area of each circle in terms of  $\pi$ .



19. Find the area and perimeter of rectangle  $ABCD$  with vertices  $A(3, 7)$ ,  $B(9, 7)$ ,  $C(9, -1)$ , and  $D(3, -1)$ .

20. Find the perimeter of  $\triangle PQR$  with vertices  $P(-2, 9)$ ,  $Q(7, -3)$ , and  $R(-2, -3)$ .

21. The circumference of a circle is  $26\pi$ . Find the diameter and the radius.