Area 3.2
Geometry

Find the missing measures in the shapes below to the nearest tenth.

1) Parallelogram
base = 245 cm
height = 419 cm
Area =

2) Triangle
base = 31 in
height = 119 in
Area =

3) Triangle
base = 214 mm
height =
Area = 9,416 mm^2

4) Rectangle
base =
height = 67 ft
Area = 5,092 ft^2

5) If a rectangle has A = 32 yd^2, name three possible sets of dimensions.

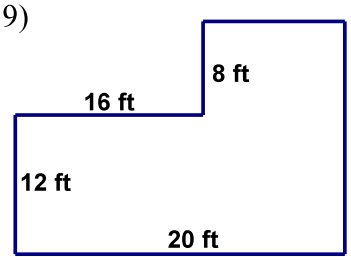
6) If a rectangle has A = 36 ft^2, give three possible perimeters.

7) Name the dimensions of the square or rectangle with A = 16 m^2, P = 20 m.

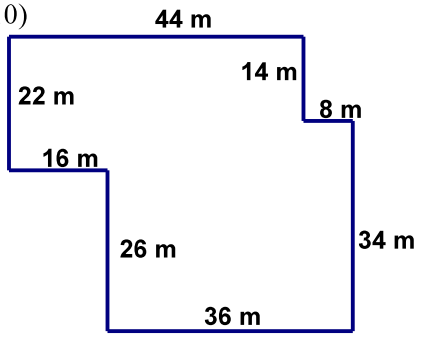
8) Name the dimensions of the square or rectangle with A = 40 in^2, P = 26 in.

Find the area of each figure.

9)

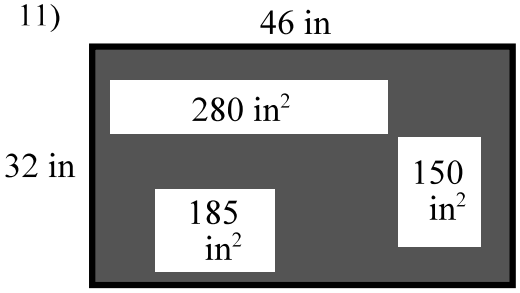


10)

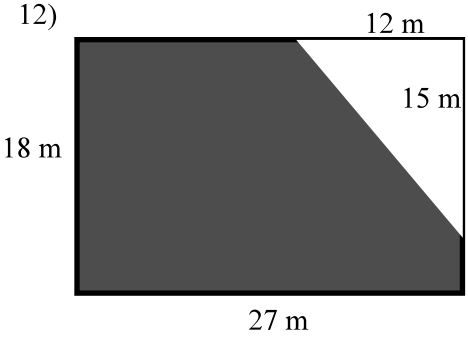


Find the area of the shaded region.

11)



12)



13) Maria and Ricky are wallpapering a wall in their living room. The wall is 8 ft tall, and 12 ft long.
a. What is the area of the wall?

b. How much wallpaper will they need to cover the wall?

c. Their favorite wallpaper costs $2 per square foot. How much will the wallpaper cost at that price?

d. What would they pay for wallpaper that costs $1.50 per square foot?

14) Sharon is making a quilt out of squares of fabric that measures 80 in. by 60 in. Each square of fabric measures 16 in^2.
a. What is the area of the quilt?

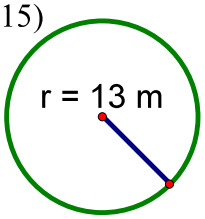
b. What is the area of each square?

c. How many squares will be needed to make the quilt?

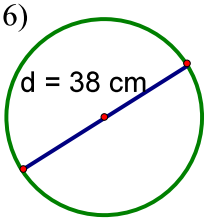
d. How much will Sharon spend if each square costs $0.12? What if they each cost $0.19?

Find the area of each circle below in terms of pi and to the nearest tenth.

15)



16)



17) r = 7 in

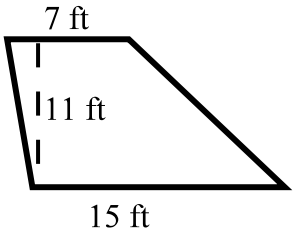
18) r = 14 mm

19) d = 54 ft

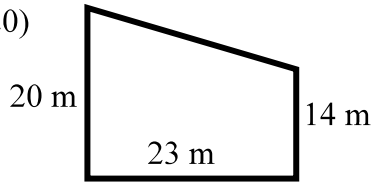
20) r = 9 yds

Find the area of each trapezoid.

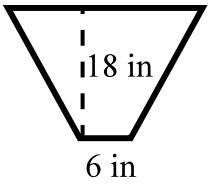
19)



20)



21)



22)