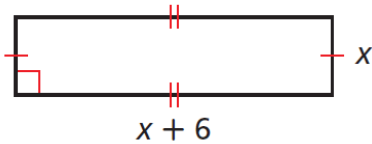
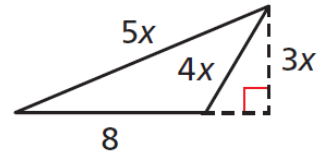


1) Determine the area and perimeter in terms of x .

a)



b)



2) Find the area and circumference of a circle with diameter of 6 inches in terms of π .

3) Given a circle with a diameter of $\frac{1}{2}$ mile.

a. Determine the area to the nearest hundredth of a square mile.

b. Determine the area to the nearest tenth of a square foot (5280 feet = 1 mile).

4) Find the area of a square whose sides are $(x+1)$ meters in length. Leave your answer in terms of x .

5) The area of a triangle is 6.75 m^2 . If the base of the triangle is 3 m, what is the height/altitude of the triangle to the nearest tenth?

6) The area of a circle is $64\pi \text{ ft}^2$. Determine the diameter in feet.

7) The circumference of a circle is 14 cm. Determine the radius in terms of π .

8) A landscaper is to install edging around a garden. The edging costs \$1.39 for each 24-inch-long strip. The landscaper estimates it will take 4 hours to install the edging.

a. How much edging is needed, to the nearest ten thousandth (four decimal places)?

b. What is the cost of the edging material purchased for the job?

c. If the total cost is \$120.30, what is the charge for the labor?

d. What is the area of the semicircle, to the nearest tenth of a square foot?

e. What is the area of each triangle?

f. What is the total area of the garden, to the nearest square foot?

