PRACTICE Perimeter & Area

PART A

1. Round each number to the given place value.

   a) 409.0196 ≐ _____ (hundredths)

   b) $\pi \doteq$ _____ (hundred thousandths)

   c) 15.9761 ≐ _____ (tens)

   d) 0.4604 ≐ _____ (hundredths)

   e) $\sqrt{37} \doteq$ _____ (tenths)

   f) $\sqrt{24.036} \doteq$ _____ (unit)

2. Given a parallelogram where $b = 5.26$ cm, $c = 3.68$ cm, and $h = 2.50$ cm, determine the:
   a) perimeter, to the nearest unit. b) area, to the nearest tenth.

3. Given a trapezoid where $a = 14.3$ m, $b = 17.1$ m, $c = 8.7$ m, $d = 7.3$ m, and $h = 6.9$ m, determine the area to one decimal.

4. Given a circle with a diameter of 4.28 mm, determine the:
   a) circumference, to the nearest hundredth. b) area, to two decimals.

Answers:

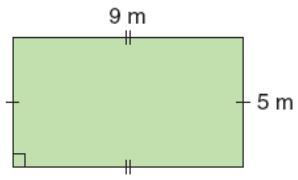
1. a) 409.02 b) 3.14159 c) 20 d) 0.46 e) 6.1 f) 5
2. a) 18 cm b) 13.2 cm^2
3. 108.3 m^2
4. a) 13.45 mm b) 14.39 mm^2

Perimeter and Area

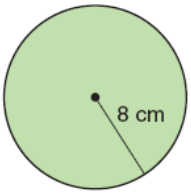
PART B

1. Determine the perimeter and area of each figure.

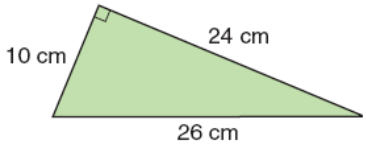
a)



b)

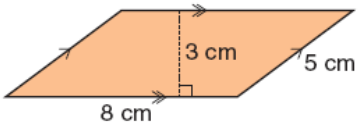


c)

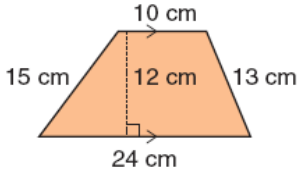


2. Determine the perimeter and area of each figure.

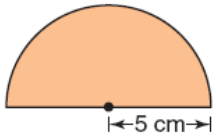
a)



b)

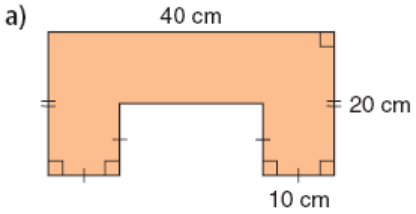


c)

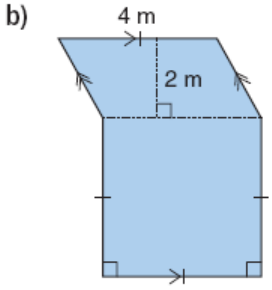


3. Determine the area of each figure.

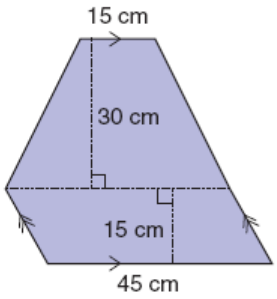
a)



b)



c)



Answer Key:
1. a. 28 m b. 50.24 cm c. 60 cm 2. a. P = 26 cm A = 15 cm^2
b. P = 62 cm A = 204 cm^2 c. P = 25.7 cm A = 39.25 cm^2
3. a. 600 cm^2 b. 24 m^2 c. 1575 cm^2