Name: _____   Date: _____

Practice: Get Ready

Calculate Perimeter and Circumference

1. Find the perimeter of each figure.

a) 5.1 cm, 2 cm

b) 3 cm, 4.2 cm

c) 4.6 m

d) 6.6 m, 6 m, 10.8 m

e) 7.5 cm

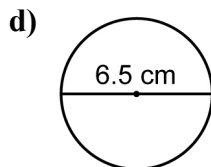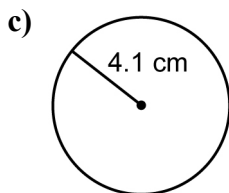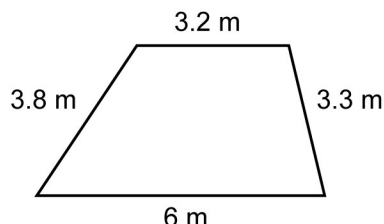**f)** 6 m, 4 m, 2.8 m
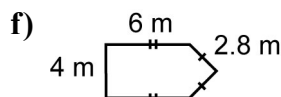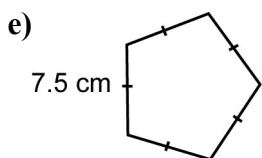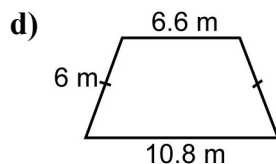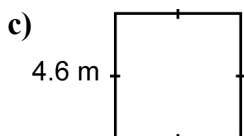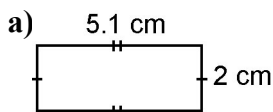
2. Find the circumference of each circle, to the nearest tenth of a unit.
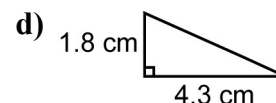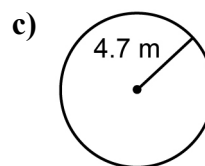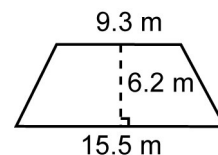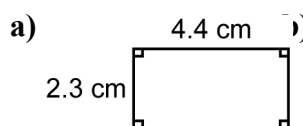
a) 5.3 cm

b) 3.2 m

c) 4.1 cm

d) 6.5 cm
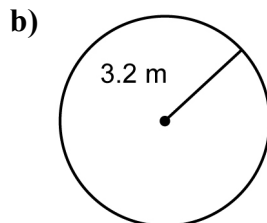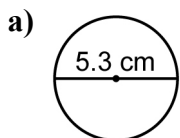
3. How much fencing is required to enclose this yard?

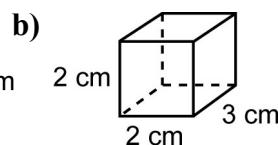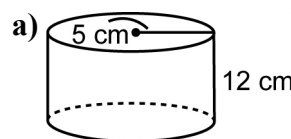3.2 m, 3.8 m, 3.3 m, 6 m

Apply Area Formulas

4. Find the area of each figure to the nearest tenth of a square unit.

a) 4.4 cm, 2.3 cm
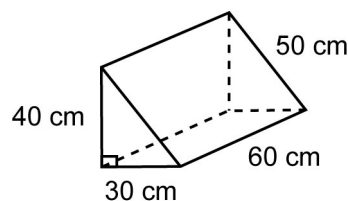
b) 9.3 m, 6.2 m, 15.5 m

c) 4.7 m

d) 1.8 cm, 4.3 cm

Calculate Surface Area and Volume

5. Find the surface area of each object. Give answers to the nearest tenth of a square unit.

a) 5 cm, 12 cm

b) 2 cm, 2 cm, 3 cm

6. Find the volume of each object in question 5 to the nearest tenth of a cubic unit.

7. a) Draw and label a net for the triangular prism.

50 cm, 40 cm, 60 cm, 30 cm

b) Find the surface area of the prism.
c) Find the volume of the prism.

Use *The Geometer's Sketchpad®*

8. Use *The Geometer's Sketchpad®* to create a triangle with perimeter 20 cm.

9. Use *The Geometer's Sketchpad®* to create a circle with area 50 cm².