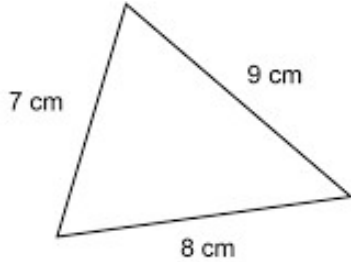**Apprenticeship Math 12**
ASSIGNMENT: Perimeter and Area Review
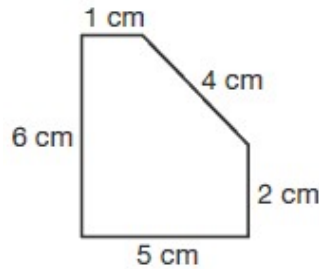
Name: _____

Date: _____

1. Find the perimeter of each figure. Be sure to show your work and include units!
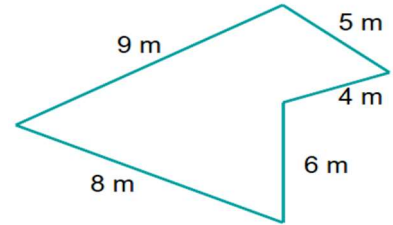
a)

9 cm
7 cm
8 cm

b)

1 cm
4 cm
6 cm
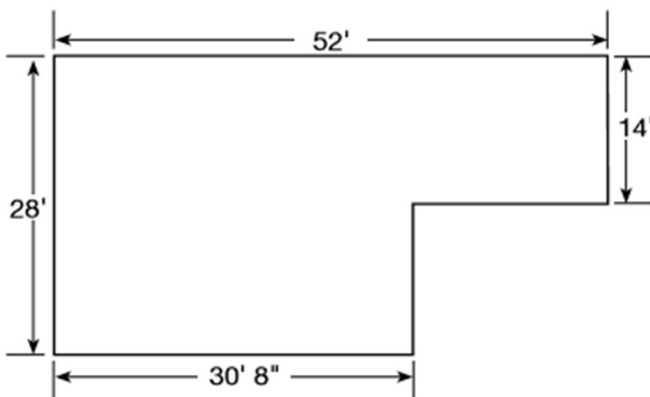2 cm
5 cm

c)

5 m
9 m
4 m
6 m
8 m

P = _____   P = _____   P = _____

2. A carpenter is building a temporary fence around a building site. How many metres of fencing are required for a rectangular site that is 47.8 m x 30.3 m? Round to the nearest metre.
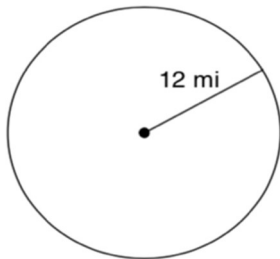
_____

3. How many studs will a carpenter need to frame the exterior walls of the building below? Use the formula given to estimate the number of studs.

52'
14'
28'
30' 8"

Number of studs = $\dfrac{\text{perimeter}}{2}$
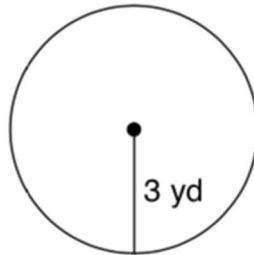
_____

2 – Surface Area

4. Find the circumference of each circle. Round your answers to the nearest hundredth. Be sure to show your work and include units!

a)

12 mi

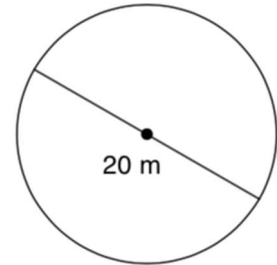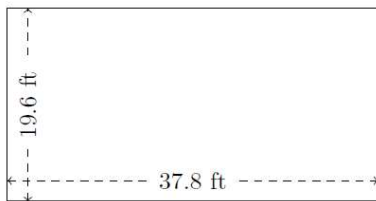C = _____

b)

3 yd

C = _____
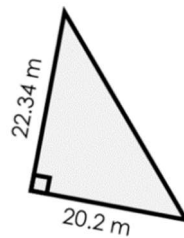
c)

20 m

C = _____

5. Find the area of each figure. Round your answers to the nearest hundredth. Be sure to show your work and include units!
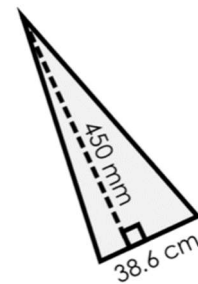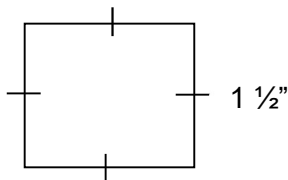
a)

19.6 ft

37.8 ft

A = _____

b)

22.34 m

20.2 m
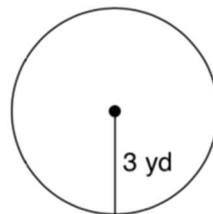
A = _____
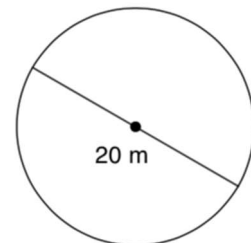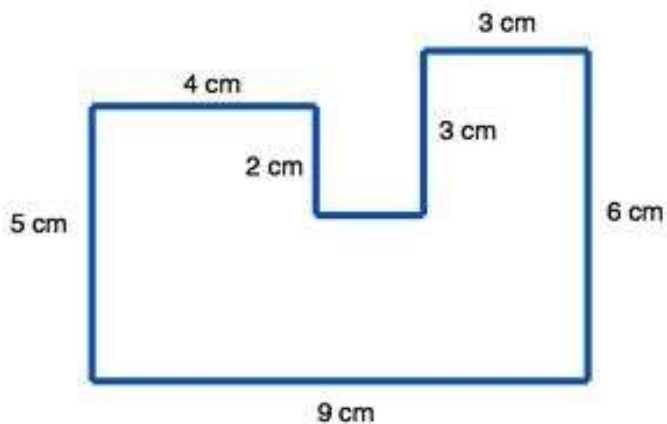
c)

450 mm

38.6 cm

A = _____

d)

1 ½"

A = _____

e)

3 yd

A = _____

f)

20 m

A = _____

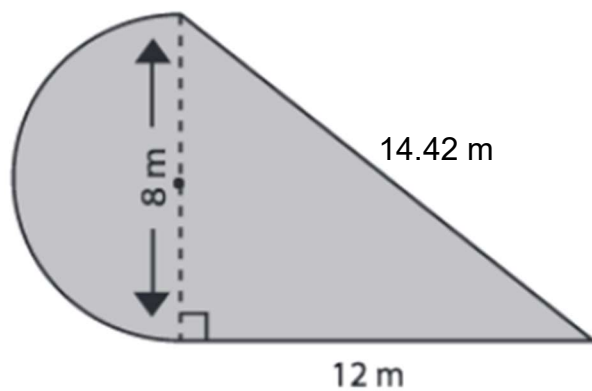6. Find the perimeter and area of the following shapes. If necessary, round to the nearest hundredth.
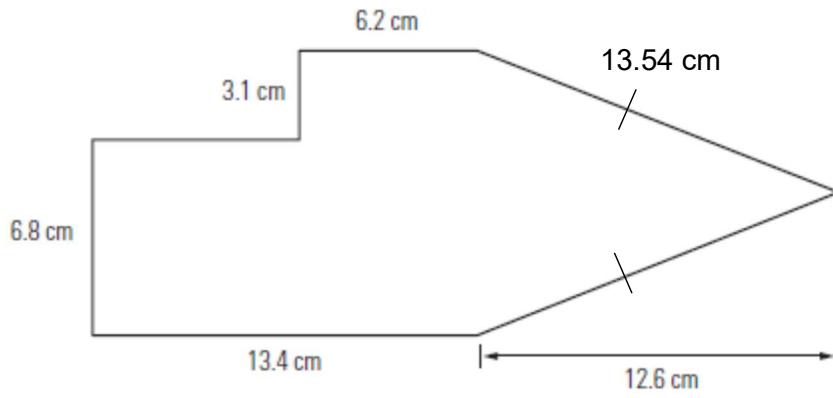
a)

3 cm

4 cm

3 cm

2 cm

5 cm

6 cm

9 cm

P = _____

A = _____

b)

8 m

14.42 m

12 m

P = _____

A = _____

c)

6.2 cm

3.1 cm

13.54 cm

6.8 cm

13.4 cm

12.6 cm

P = _____

A = _____