Station A

1. Make the following conversions.

a) 4 kg = _____ dag

b) 23 ml= _____ L

c) 5 cm = _____ mm

d) 4875 g = _____ kg

e) 12.3 hm = _____cm

f) 3 kl = _____L

2. Make the following conversions.

a) 156 " = _____ ft

b) 35 lbs.= _____ oz.

c) 28 pints= _____quart

d) 178" = ____yd. ____ft. ____in.

e) 112 lbs.=_____stones

d) 7 pints= _____ fl. Oz.

3. Make the following conversions. Round to 2 decimal places if necessary.

a) 56" = _____ cm

b) 45 lbs. = _____g

c) 15 gal. = _____ L

d) 12 km = _____ mi.

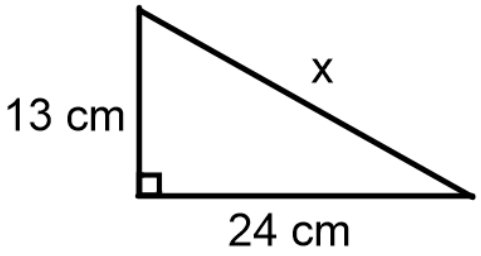
e) 186 mL = _____ pints

f) 75 kg = _____ lbs.

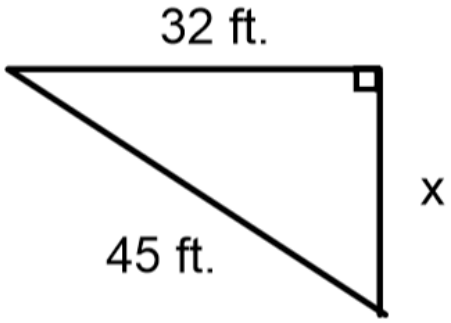
Station B

1. Solve for x. Round to 2 decimal places.

a)

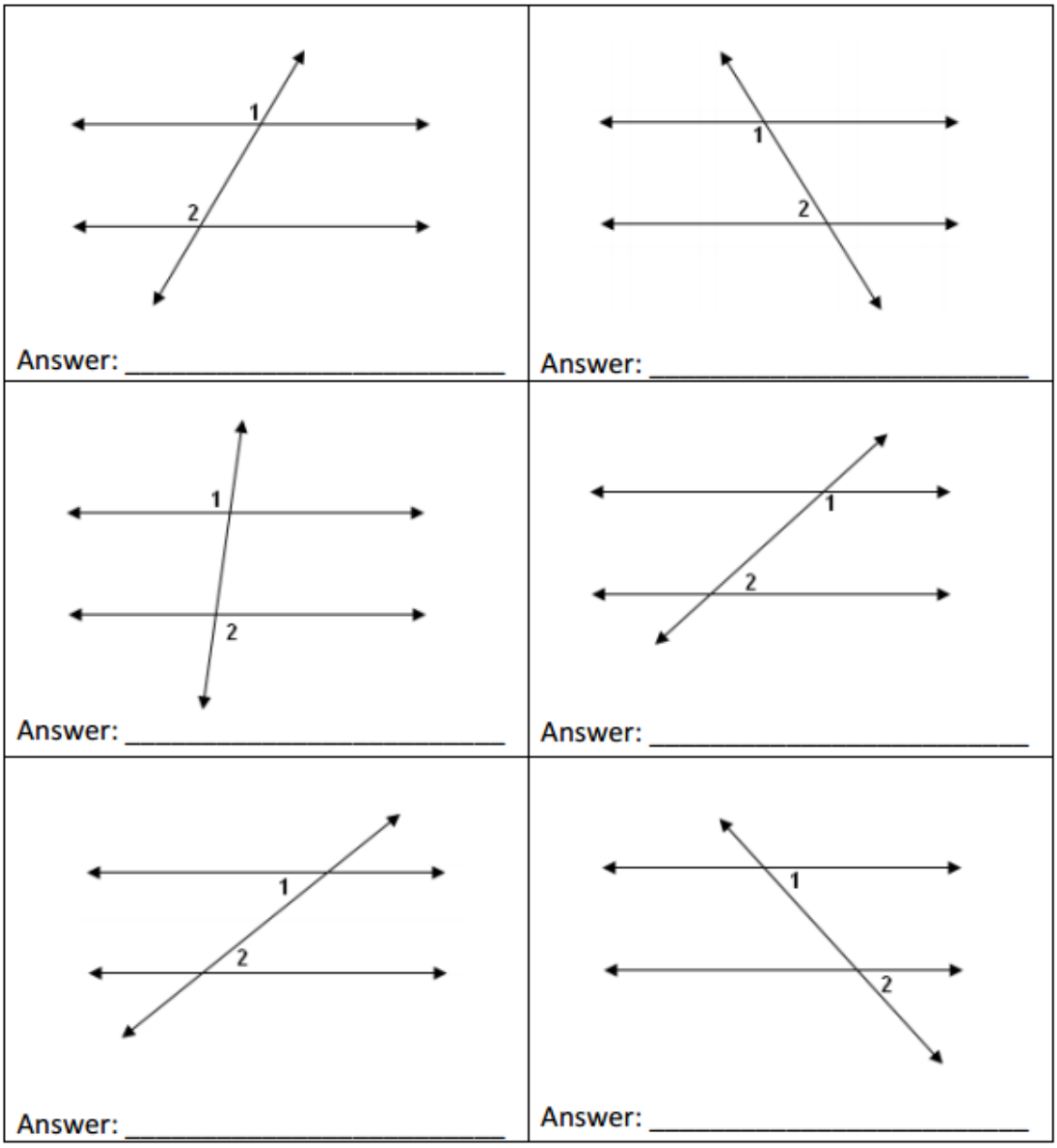


b)



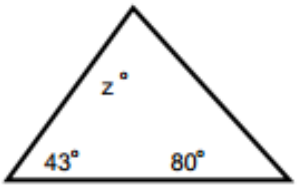
Station C

1. State the parallel line theorem pattern (Z, F or C) or none if it does not match any of them.



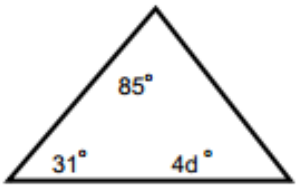
Station D

1)



z = _____

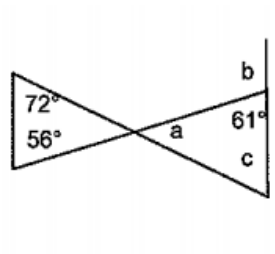
2)



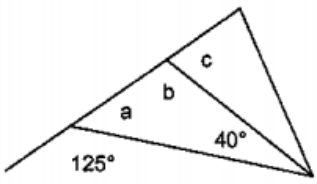
d = _____

3) Determine the value of the unknowns.

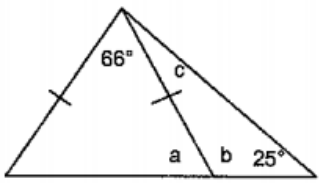
a)



b)



c)

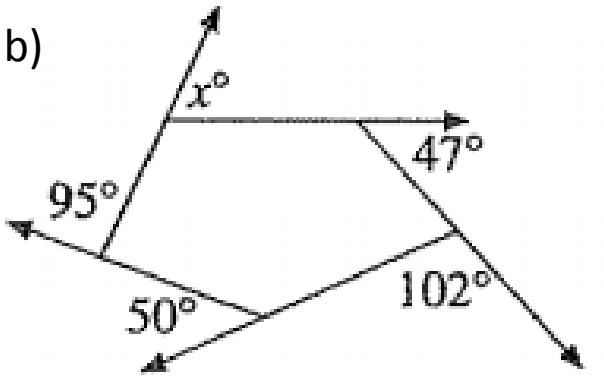


Station E

1.

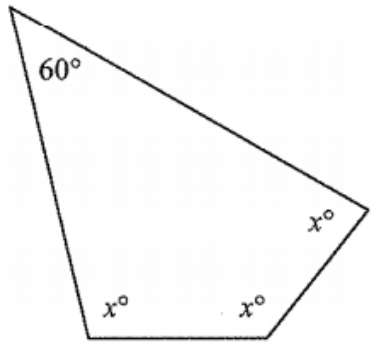
a)

b)

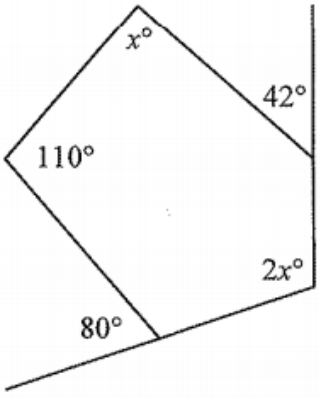


2. Find the value of x.

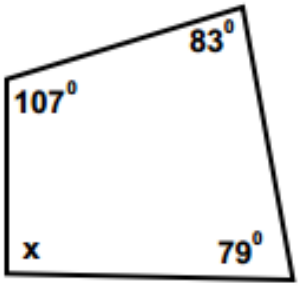
a)



b)



3)



Solve for x _____

Station F

1. Determine how many sides does a regular polygon have if one of its interior angles measures 140?

2. How many degrees are there in each interior angle of 12 sided polygon?

3) The measure of an exterior angle of a regular polygon is $2x$, and the measure of an interior angle is $4x$.

a) Use the relationship between interior and exterior angles to find x.

b) Find the measure of one interior and exterior angle.

c) Find the number of sides in the polygon and the type of polygon.

4) The measure of one exterior angle of a regular polygon is given. Find the number of sides for each.

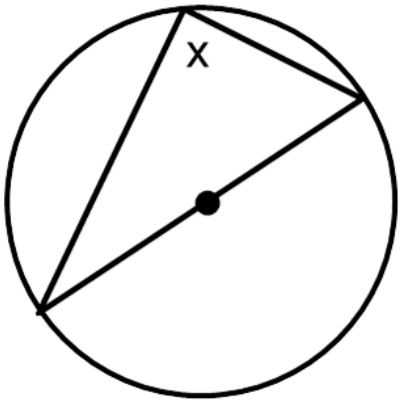
a) $72°$ b) $40°$

5) Find the measure of an interior and an exterior angle of a regular 46-gon.

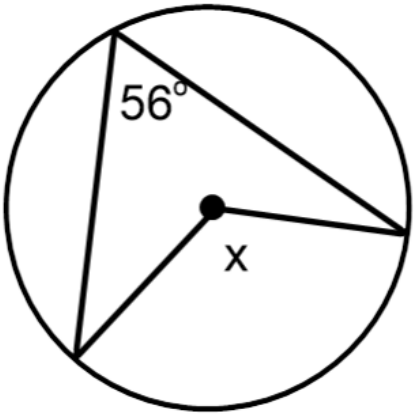
Station G

1. Determine the value of x in each diagram.

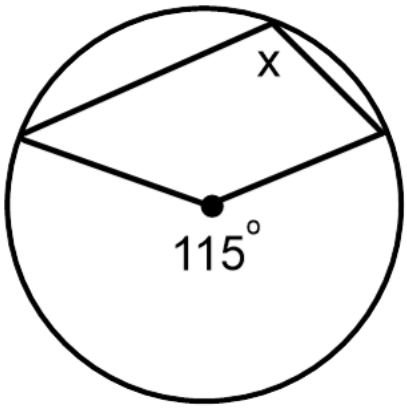
a)



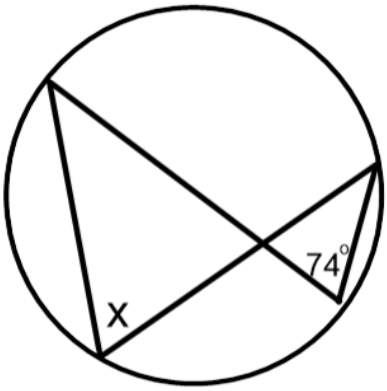
b)



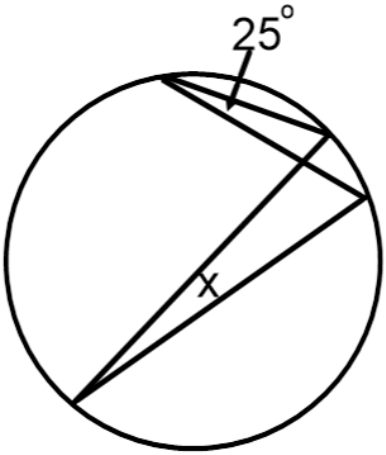
c)



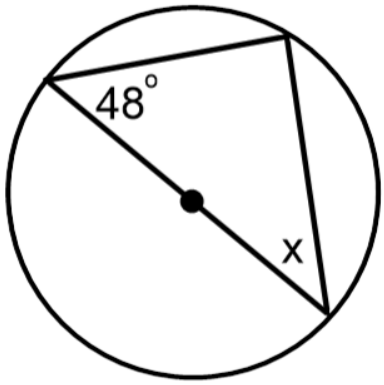
d)



e)



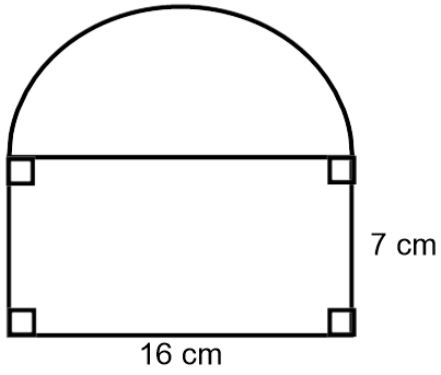
f)



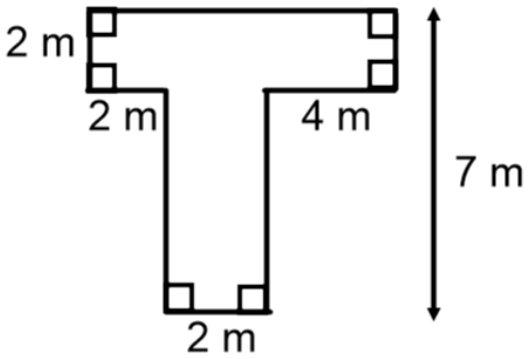
Station H

1. Determine the perimeter and area of each composite figure.

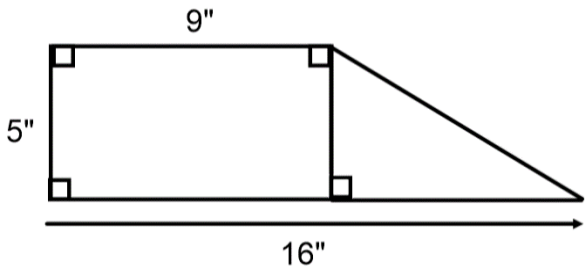
a)



b)



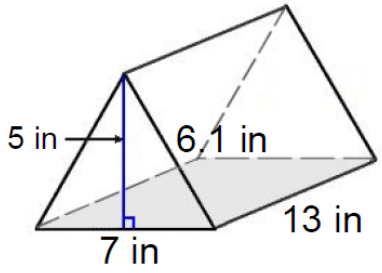
c)



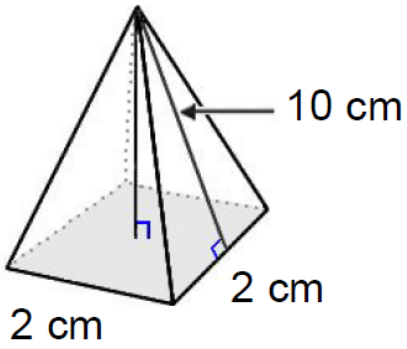
Station I

1. Determine the volume.

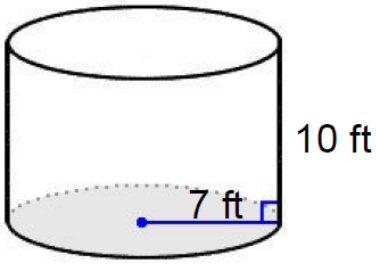
a)



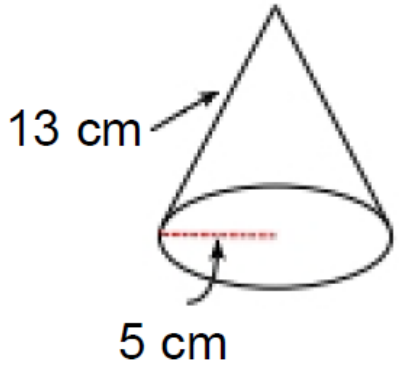
b)



c)



d)



Station J

1. Fill in the blanks.

a) A cone has a volume of 600 cm^3.

A cylinder with the same dimensions has a volume of _____.

b) A square based pyramid has a volume of 36 m^3.

A square based prism with the same dimensions has a volume of _____.

2. Fill in the blanks.

a) The area of a triangle is 48 sq. ft.

If both the base and height are doubled, the new area of the triangle is _____.

b) The volume of a cone is 250 mm^3.

If the radius of the base is tripled and the height is doubled, the new volume of the cone is _____.

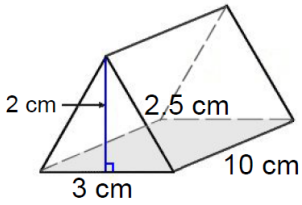
c) The circumference of a circle is 38".

If the radius if halved, the new circumference of the circle is _____.

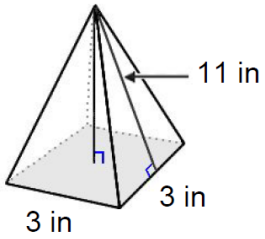
Station K

1. Determine the surface area.

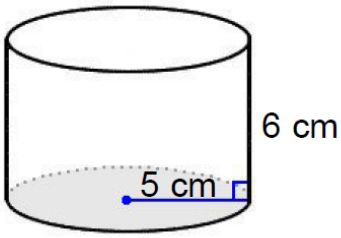
a)



b)



c)



d)