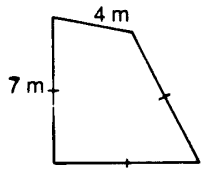
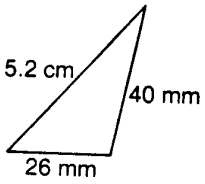
Name: _____

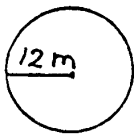
Unit 2 – Measurement

Pretest B

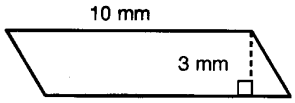
1. Calculate the **perimeter** or **circumference** of the following shapes.

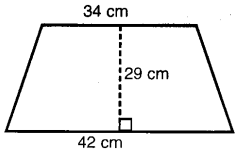
a) 

b) 

c) 

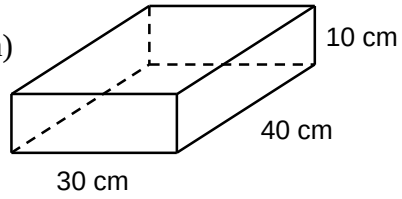
2. Calculate the **area** of the following shapes.

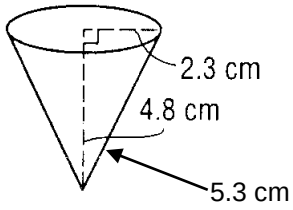
a) 

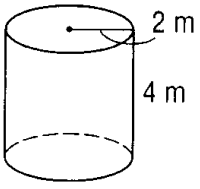
b) 

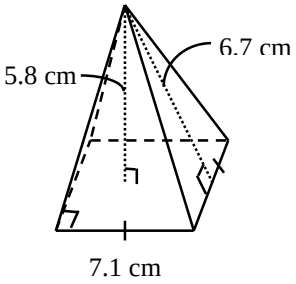
c) 

4. Calculate the **surface area** of the following solids.

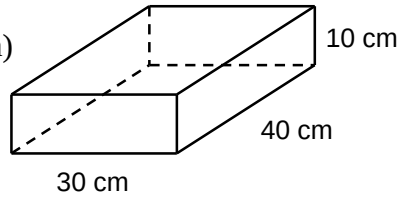
a) 

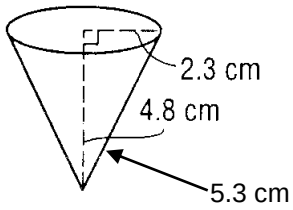
b) 

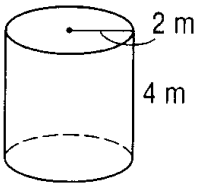
c) 

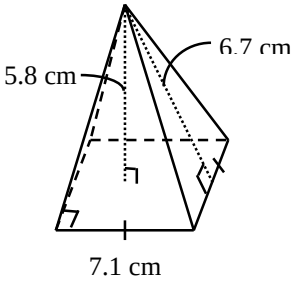
d) 

5. Calculate the **volume** of the following solids.

a) 

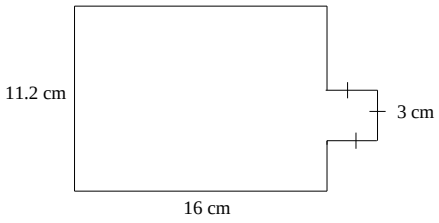
b) 

c) 

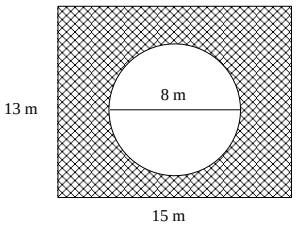
d) 

6. Find the required measurements for the following figures.

a) **Perimeter**



b) **Shaded Area**



7. Convert between the following area units.

a) $17.6\ dam^2 = ?\ dm^2$

b) $297\ in^2 = ?\ ft^2$

c) $236\ m^2 = ?\ ft^2$

d) $312\ cm^2 = ?\ mm^2$

e) $36.7\ ft^2 = ?\ yd^2$

f) $46\ miles^2 = ?\ km^2$

8. Convert between the following volume units.

a) $8\ 000\ 000\ m^3 \rightarrow ?\ hm^3$

b) $1.2\ yd^3 \rightarrow ?\ in^3$

c) $236\ ft^3 = ?\ m^3$

d) $312\ mm^3 = ?\ cm^3$

e) $36.7\ yd^3 = ?\ ft^3$

f) $46\ km^3 = ?\ miles^3$

9. Convert between the following masses.

a) 11.4 lb → ? g

b) 5617 lb → ? kg

c) 681 mg → ? g

d) 15.2 g → ? kg

e) 29.2 kg → ? lb

f) 83 oz → ? lb ?oz

10. Convert the following temperatures to degrees Fahrenheit. **First estimate and then find exact value.**

a) $72°C$

b) $-64°C$

c) $89\ °C$

d) $122\ °C$

11. Convert the following temperatures to degrees Celcius. **First estimate and then find exact value.**

a) -238 $°C$

b) 47.9 $°C$

c) 38.3 $°C$

d) 46.9 $°C$