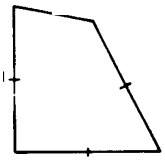
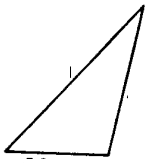
Name: _____

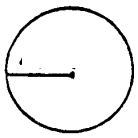
Unit 2 – Measurement

Pretest C

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

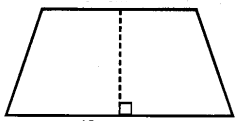
a) 

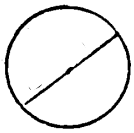
b) 

c) 

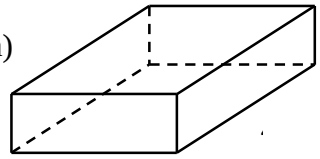
2. Calculate the **area** of the following shapes.

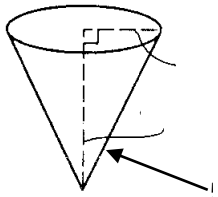
a) 

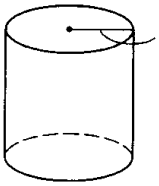
b) 

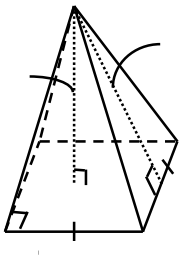
c) 

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

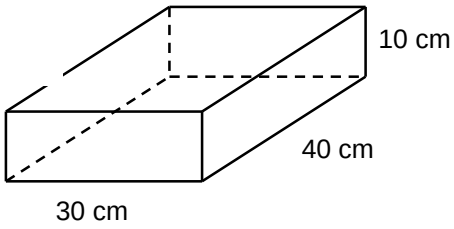
a) 

b) 

c) 

d) 

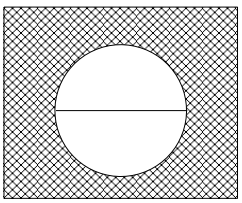
5. Calculate the **volume** of the following rectangular prism



6. Find the required measurements for the following figures.

a) **Perimeter**

b) **Shaded Area**



7. Convert between the following area units.

a) $20.6\ m^2 = ?\ ft^2$

b) $502\ in^2 = ?\ ft^2$

c) $123\ ft^2 = ?\ in^2$

d) $46.3\ cm^2 = ?\ ft^2$

8. Convert between the following volume units.

a) $6\ 300\ 000\ m^3 \rightarrow ?\ hm^3$

b) $9.2\ yd^3 \rightarrow ?\ in^3$

c) $457\ ft^3 = ?\ m^3$

d) $345\ ft^3 = ?\ cm^3$

9. Convert between the following masses.

a) 123.4 lb → ? g

b) 323 lb → ? kg

c) 83 mg → ? g

d) 89.2 kg → ? lb

f) 76 oz → ? lb ?oz

g) 256 oz → ? lb ? oz

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

a) 298°*C*

b) –374°*C*

c) 79 °*C*

d) 252 °*C*

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

a) -12.5 °*C*

b) 76.9 °*C*

c) 84.3 °*C*

d) - 18.9 °*C*