NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date: \_\_\_\_\_\_\_\_\_\_\_\_Period: \_\_\_\_\_\_\_\_\_

Unit conversion with Exponents/Geometry Review

Given: 1.00 in = 2.54 cm                      12.0 in = 1.00 ft                        1000 m = 1.00 km

            100 cm = 1.00 m                      5280 ft =1.00 mile                    1.00 mile = 1.60 km

            10 mm = 1.00 cm                   60.0 sec = 1.00 min                  60.0 min = 1.00 H

 1mL=1cm3 1Yd=3ft

Example1: 5cm2 to m2

Example 2: 45ft/hr2 to m/s2

I. Convert the following units. Show all your work. If necessary, show your answer in scientific notation format.

1. 3mi3 to m3 4. 5$\frac{km}{min^{2}}to \frac{m}{s^{2}}$

2. 850 ft2 to m2 5. 12$\frac{in}{min^{2}}to \frac{m}{s^{2}}$

3. 12yd3 to ft3 6. 8$\frac{yd}{hr^{2}}to \frac{ft}{s^{2}}$

GEOMETRY REVIEW

II. Calculate the area of the following shapes. It may be necessary to break up the figure into common shapes.

1. 2.



Area= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Area= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

III. Calculate the unknown angle values for questions1-6



 Lines m and n are parallel

 A= 75° B= \_\_\_ C= \_\_\_\_\_ D= \_\_\_\_\_\_

Ɵ=16° E= \_\_\_\_ F= \_\_\_ G= \_\_\_\_\_ H= \_\_\_\_\_

Ǿ= \_\_\_\_\_



Ɵ1=\_\_\_ Ɵ2=\_\_\_ Ɵ3=\_\_\_ A= \_\_\_\_ B= \_\_\_\_\_

 Ɵ4=\_\_\_ Ɵ5=\_\_\_ C= \_\_\_\_ D= \_\_\_\_\_

