A1. Find the complement of $18^\circ 57'$. 
Find the supplement of $39^\circ 13'28"$. 

A2. If a quadrilateral with area $14 \text{ cm}^2$ and perimeter $17 \text{ cm}$ is made 3 times larger... 
   a. What is the scale factor?  
   b. What is the new area?  
   c. What is the new perimeter? 

A3. A rectangular pyramid has volume $24 \text{ cm}^3$. It is decreased in size by a scale factor of 0.5. 
   What will be the volume of the smaller pyramid? 

A4. a. What is the volume of the figure?  
   b. Carefully draw a top view. 

A5. a. Shade in a sector.  
    b. Shade in a segment.  
    c. Draw a central angle.  
    d. Draw an inscribed angle. 

A6. For each, give a value that fits the expression. 
   a. 75% as long as 24 cm.  
   b. 125% more than 24 cm. 

A7. Put the following in the blanks below to show the relationships among the terms: 
   isosceles trapezoid, parallelogram, quadrilateral, rectangle, rhombus. 

```
Kite
   |
   |
  Trapezoid
  |
Square
```
A1. The complement of $18^\circ57'$ is $71^\circ3'$.
The supplement of $39^\circ13'28"$ is $140^\circ46'32"$.

A2. If a quadrilateral with area $14\, \text{cm}^2$ and perimeter $17\, \text{cm}$ is made 3 times larger...
   a. The scale factor is 3.
   b. The new area is $9\times14\, \text{cm}^2$, or $126\, \text{cm}^2$.
   c. The new perimeter is $3\times17\, \text{cm}$.

A3. A rectangular pyramid has volume $24\, \text{cm}^3$. It is decreased in size by a scale factor of 0.5.
The volume of the smaller pyramid is $3\, \text{cm}^3$.

A4. a. The volume of the figure is $8\, \text{u}^3$.
b. Top view.


A6. For each, give a value that fits the expression.
   a. 75% as long as 24 cm = $18\, \text{cm}$
   b. 125% more than 24 cm = $54\, \text{cm}$

A7. Put the following in the blanks below to show the relationships among the terms:
isosceles trapezoid, parallelogram, quadrilateral, rectangle, rhombus.

Kite

Quadrilateral

Trapezoid

Parallelogram

Isosceles trapezoid

Rhombus

Rectangle

Square

NOTE: THERE IS AN ERROR PAGE TACKED ONTO THE END OF THE SAMPLE FINAL.
WHEN YOU ARE CHECKING YOUR ANSWERS, BE SURE TO CHECK THAT LIST!