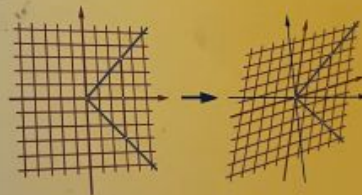James J. Callahan

THE GEOMETRY OF SPACETIME

An Introduction to Special and General Relativity

Do Now (W/O Tutorial)

1. What is SigFig?
2. What is uncertainty?
3. What are the connections between both?
4. What is precision?
5. What is accuracy?
6. What are the connections between both?
7. What is the area and its uncertainty of a circle of radius 3.8 X 10^4 cm?

Big Idea (With Tutorial)

1. What is the percent uncertainty for the measurement given as 1.57 m^2.

2. What is the percent uncertainty in the measurement 3.76 plus/minus 0.25 m?

3. Find percent the volume and percent uncertainty when r= 2.86 plus/minus 0.09 m.