

I. Answer the following:

Consider the following objects:

A box whose side s are 1 x 2 x 3, a cylinder whose radius is 1 and height is 2, a sphere whose radius is 1.

- I.) Using Maple, graph all 3 objects in the various 3 coordinate systems. Hence 9 graphs.
- II.) Find the volume of each object using each of the 3 coordinate systems i.e 9 problems. You may use Maple to evaluate the integral. Be sure to check your work.