Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ G4

**Khufu’s Pyramid**

 The government in Egypt is concerned about the erosion of the pyramids in Giza. At one point they were all covered with a smooth, shiny casing over each surface. They are considering doing a restoration of one of the pyramids. The Khufu’s pyramid still has a portion of this limestone casing. The base edge measures 230 meters and the height of the triangular face is 186 meters.

Build a net or 3-D model as a visual representation of your pyramid.

If they were to completely restore each face of pyramid, how much area would need to be covered?

If they were able to also restore the base of the pyramid, what would be the new total area to be covered?