

Quiz 6, March 26, 2014. Name

1) You are given an xyz -coordinate system in three dimensional space. Describe and sketch the graphs of the equations $(y-3)^2 + (z-2)^2 = 9$ as well as $(x-3)^2 + (y-2)^2 + (z-1)^2 = 15$.

2) Draw diagrams that explain the vertical geometry of the inner surface of the shell of the dome of the Santa Maria del Fiore in Florence.