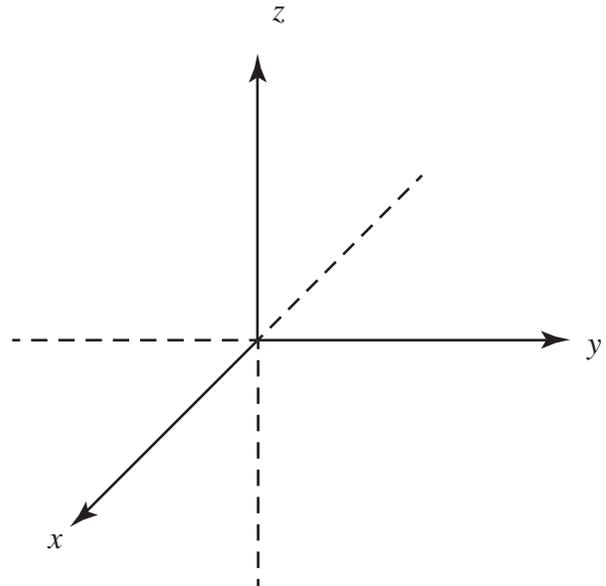
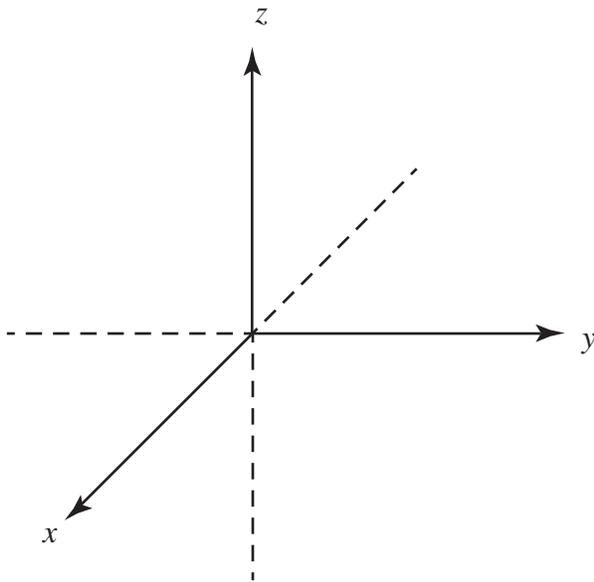


Quiz 6, March 26, 2014. Name

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) Explain with the aid of careful diagrams the vertical geometry of the inner surface of the shell of the dome of the Santa Maria del Fiore in Florence.