**Worksheet 13**

1. Find domain of : the domain is 
2. Sketch 
3. Determine surface of .
4. Write hyperboloid  in cylindrical coordinates.
5. Convert  to cylindrical coordinates.
6. Convert  to Cartesian coordinates.
7. Determine surface of 
8. Write hyperboloid  in cylindrical coordinates.
9. Convert  to Spherical coordinates.
10. Convert  to Cartesian coordinates.