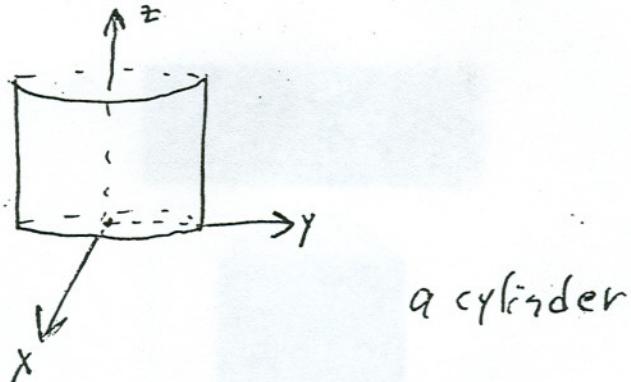


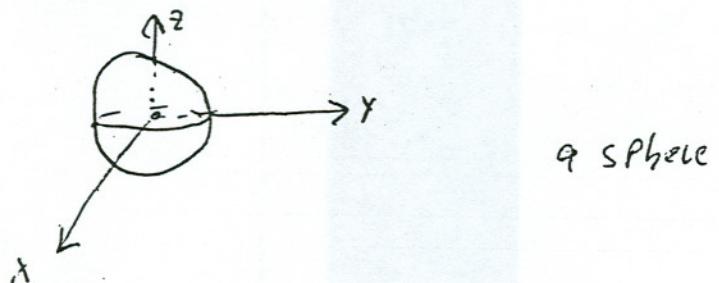
PRINT Your Name: _____

There are 10 problems on 4 pages. Each problem is worth 10 points. SHOW your work. **CIRCLE** your answer. **NO CALCULATORS!** Check your answer whenever possible!

1. Graph $x^2 + y^2 = 1$ in 3-space.



2. Graph $x^2 + y^2 + z^2 = 1$ in 3-space.



3. Graph $x^2 = 1$ in 3-space.

$$x=1 \text{ or } x=-1$$

