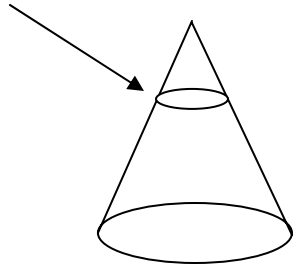


Quiz 1:

1. *For maximum credit, give as much justification as you possibly can. Why is a “latitude line” on a 90° cone not straight?*



2. *Euclid's first postulate says that a unique line segment can be drawn from any point to any point. Consider this postulate for the sphere. Is the postulate valid on the sphere? If so, justify. If it is not valid, write a new analogous statement (or statements, if necessary) which is valid on the sphere, and give justification.*