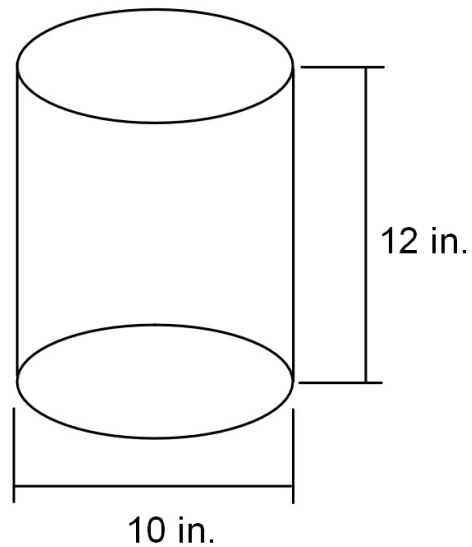1. The Volume of any Prism or Cylinder is: V = Bh where B=area of the base.

Find the volume of this cylinder. Leave your answer in terms of π.

12 in.

10 in.

2. A sphere fits perfectly inside of a cube. On face of the cube has an area of 36 in^2. Find the volume of the sphere. Leave answer in terms of π.

Vol of a shpere:
$$V = \frac{4}{3}\pi r^3$$