$$foal: r > \frac{\ell}{2}$$

distance origin -> verles:

$$\sqrt{\sum_{A} \left(\frac{1}{2}\right)^{2}} = \sqrt{A} \frac{1}{2}$$

there fore:

there fore 
$$2r + \frac{1}{2} = \sqrt{3}$$

(a) 
$$zr = \sqrt{3} = \frac{2}{2}$$
  
(b)  $r = \frac{2}{2}(\sqrt{3} \frac{1}{2} - \frac{1}{2}) > \frac{1}{2} \Leftrightarrow \sqrt{3} = 9$ 

Since the radius of the inner that hypeball ADMINISTRIS at most ble distance from the surface of an outer hyperball to its corresponding vertex.

## d=2:

