

3.22 Cube

Edge: a

Diagonal: d

Radius of inscribed sphere: r

Radius of circumscribed sphere: R

Surface area: S

Volume: V

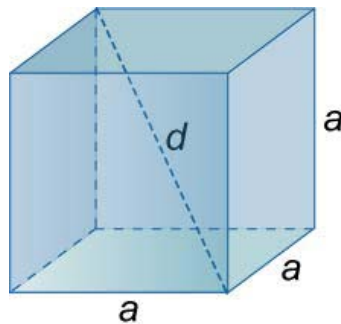


Figure 37.

275. $d = a\sqrt{3}$

276. $r = \frac{a}{2}$

277. $R = \frac{a\sqrt{3}}{2}$

278. $S = 6a^2$

279. $V = a^3$

