

$$= 2.40 \times 10^{-23} \text{ cm}^3/\text{unit cell}$$

And, finally

$$a = (V_C)^{1/3}$$

$$= (2.40 \times 10^{-23} \text{ cm}^3/\text{unit cell})^{1/3}$$

$$= 2.89 \times 10^{-8} \text{ cm} = 0.289 \text{ nm}$$