

I must know:

$$d = 2r \quad \text{or} \quad r = \frac{d}{2}$$

$$C = \pi d \quad \text{or} \quad C = 2\pi r$$

$$A = \pi r^2$$

$$V_{pr} = Bh \quad (\text{B is area of base})$$

$$V_{cube} = s^3$$

$$V_{cyl} = \pi r^2 h$$

$$SA_{cyl} = 2\pi r^2 + 2\pi r h$$

$$V_{co} = \frac{\pi r^2 h}{3}$$

$$SA_{co} = \pi r^2 + \pi r d$$

$$V_{sp} = \frac{4\pi r^3}{3}$$

$$SA_{sp} = 4\pi r^2$$