

David Mann  
mann.635

9.

$$D_1 = 2.2 \text{ m}$$

$$\frac{X_2}{X_1} = \frac{P_1}{P_2}$$

$$D_2 = 1.93$$

$$X_2 = \frac{P_1}{P_2} X_1$$

$$\left( \frac{2.2}{1.93} \right) (1.1)$$

$$X_2 = 1.254 \text{ cm}$$

10.  $R = 2 \text{ m}$