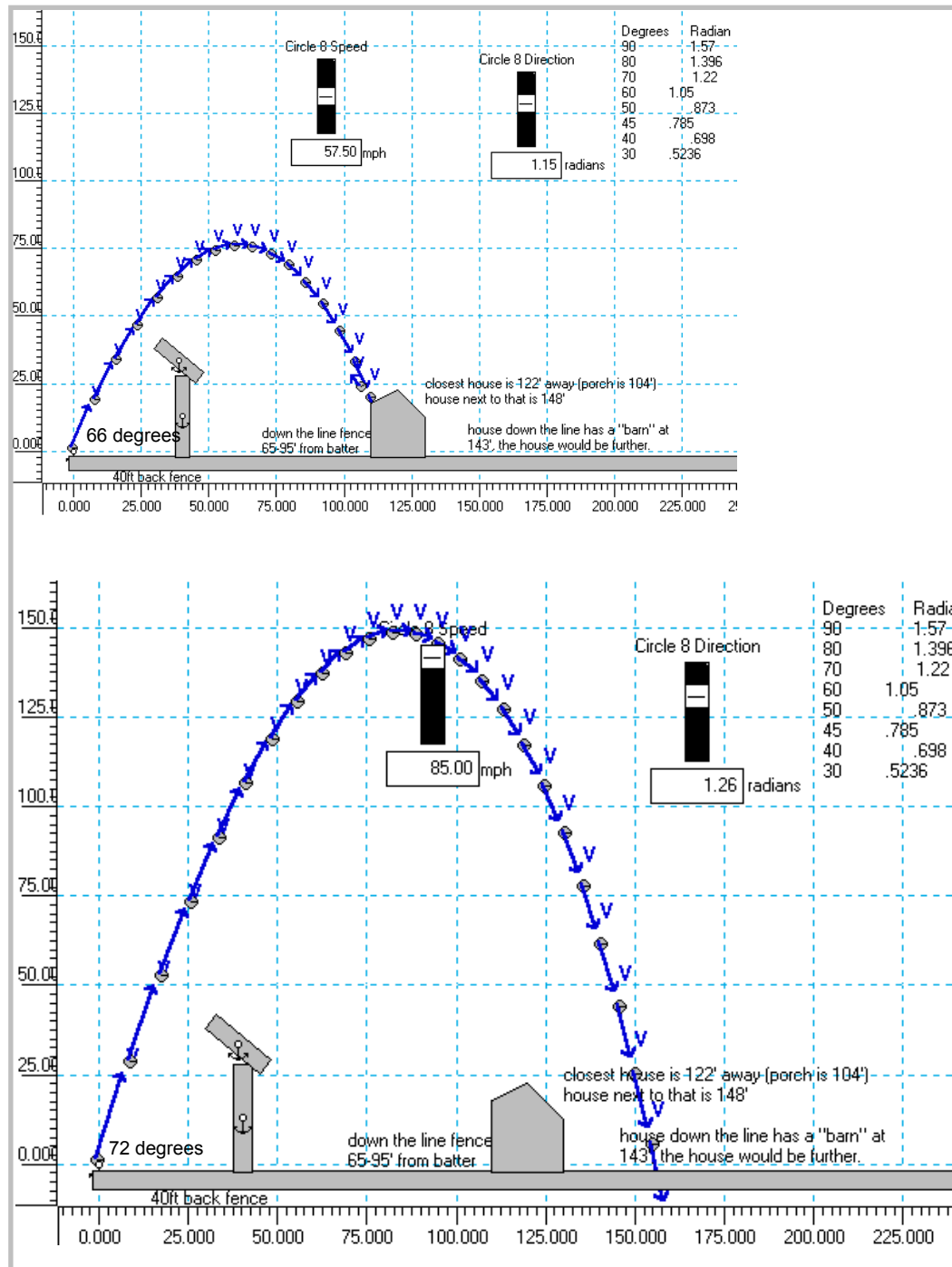
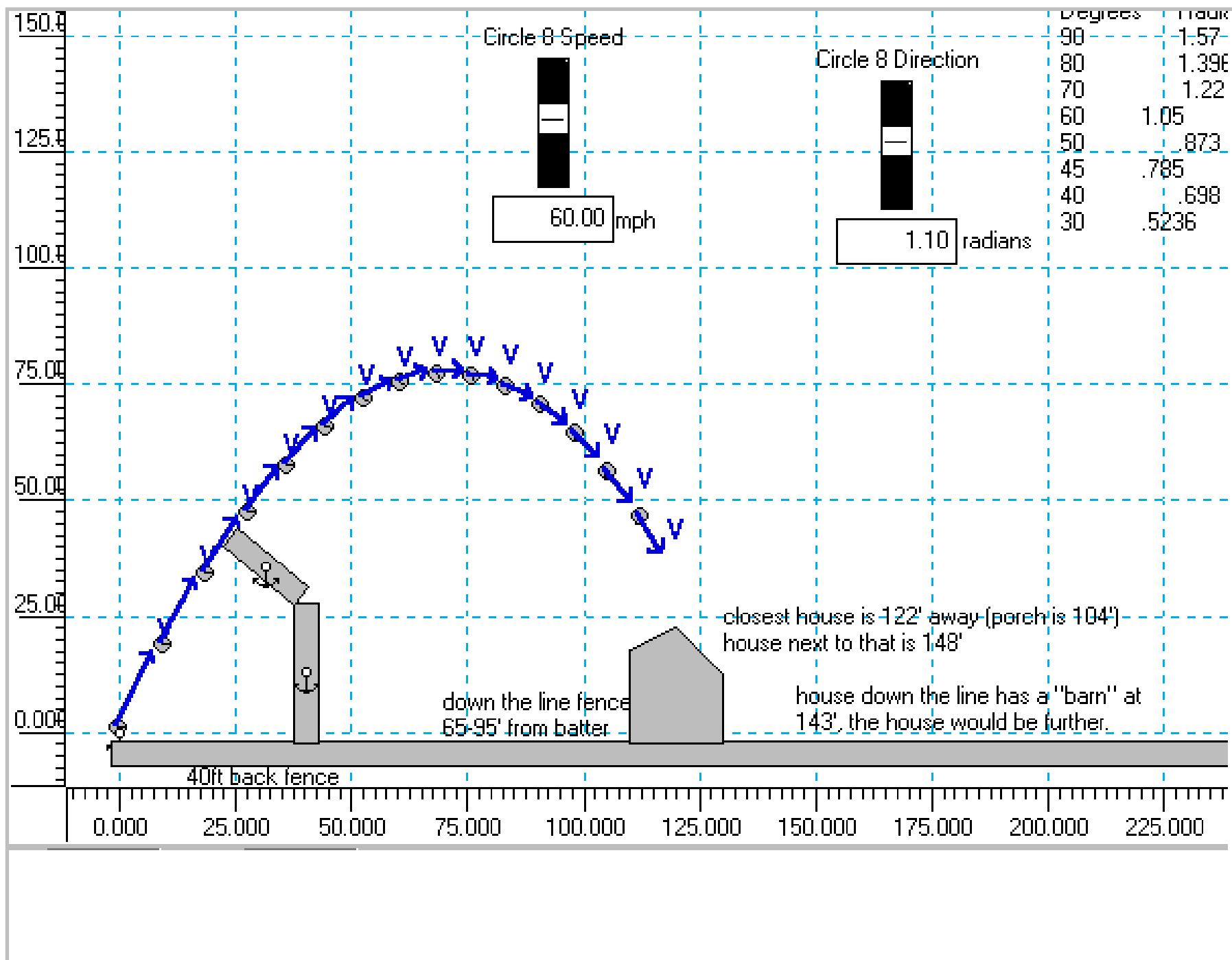


Title: Jan 25 - 3:01 PM (1 of 5)



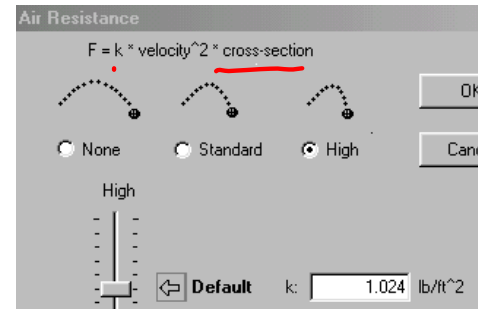
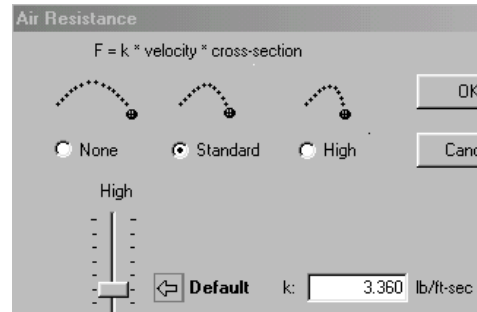
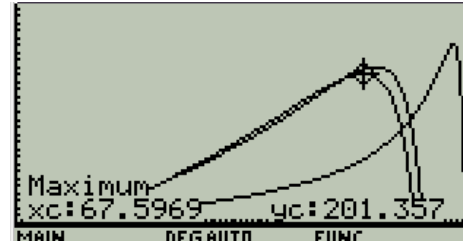


$$F_{drag} = C_{p,air} A v^2 \quad A = .005 \text{ m}^2$$

$$m a = (.3) \left(\frac{1.2929 \text{ kg}}{\text{m}^3} \right) \pi (4 \text{ cm})^2 v^2$$

$$m = .145 \text{ kg}$$

$$V = 85 \text{ mph}$$



$$\frac{\text{lb}}{\text{ft} \cdot \text{sec}} \rightarrow \frac{\text{lb}}{\text{ft}^2}$$

