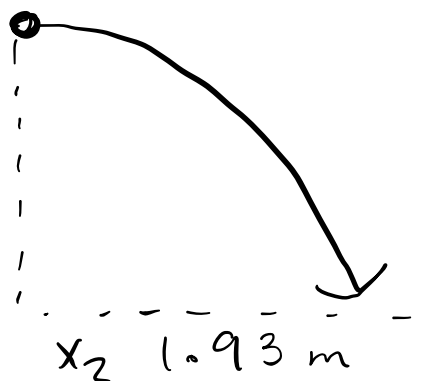
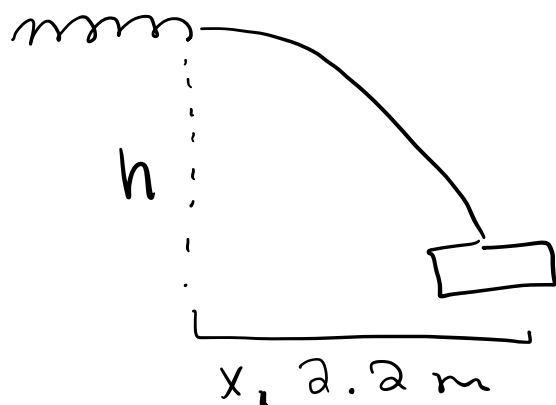


1)

Saffron Martin

bobbys try



Bobby compresses 1.1 cm, but only goes 1.93 m (x_2)

$$\frac{x_1}{x_2} = \frac{\text{compressed spring}_1}{\text{compressed spring}_2}$$

$$\frac{x_1}{x_2} \times s_2 = \frac{2.2 \text{ m}}{1.9 \text{ m}} \times .11 \text{ m} = .12736 \text{ m}$$

1.2736 cm