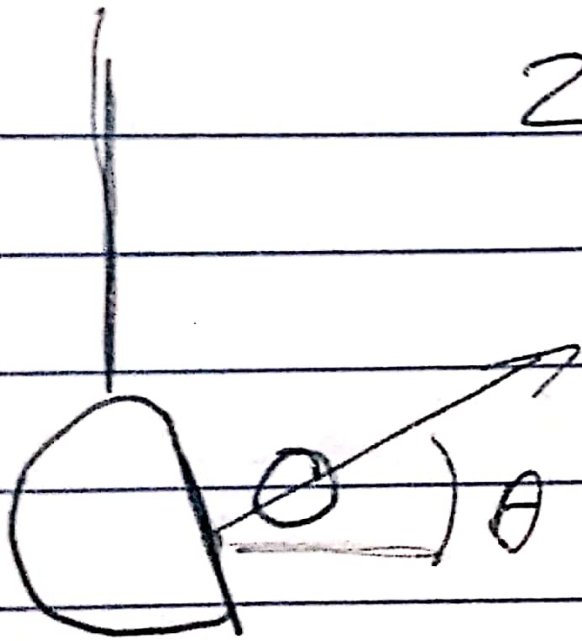


20-P-WF-BK-015

Date



$$\frac{1}{2} m_c v_{c1}^2 = \frac{1}{2} m_c v_{c2}^2 + \frac{1}{2} m_B v_B^2$$

$$v_B = \sqrt{\frac{m_c}{m_B} (v_{c1}^2 - v_{c2}^2)}$$

$$v_{By} = v_B \sin \theta$$

$$h = \frac{v_{By}}{2g}$$