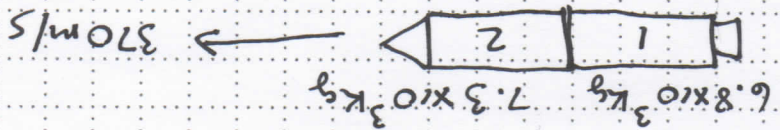


#1 0 It has the largest area under the curve



$$\text{Impulse} = F \Delta t = \Delta p$$

$$\Delta p = p' - p$$

$$= m_2 v_2' - m_2 v_2$$

$$= m_2 (v_2' - v_2)$$

$$= 7.3 \times 10^3 \text{ kg} (430 - 370)$$

$$= 7.3 \times 10^3 \times 60 = 4.4 \times 10^5 \text{ N}\cdot\text{s}$$

