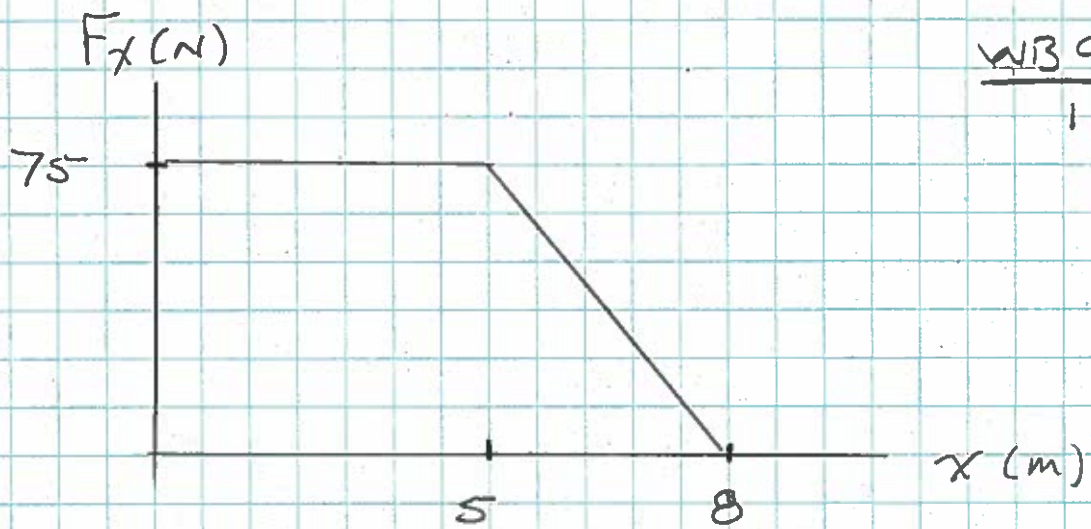


WB 9/10-4



$$W = \int_0^8 F_x dx = \text{area under } F_x \text{ vs. } x$$
$$= 75(5) + \frac{1}{2}(75)(8-5)$$

$$\underline{W = 487.5 \text{ J}}$$