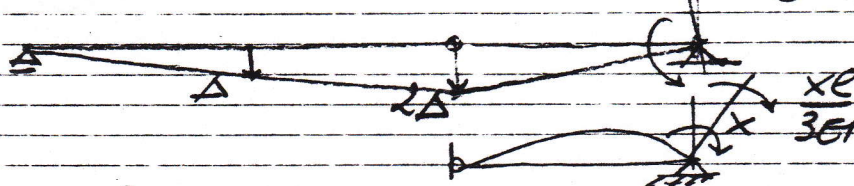
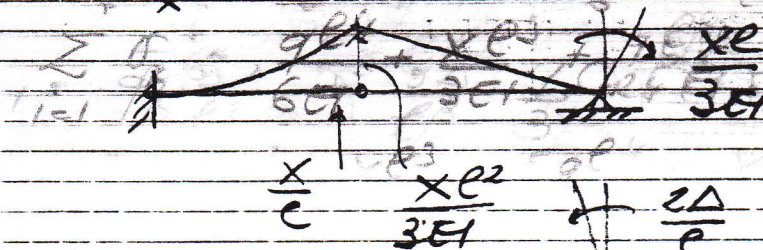
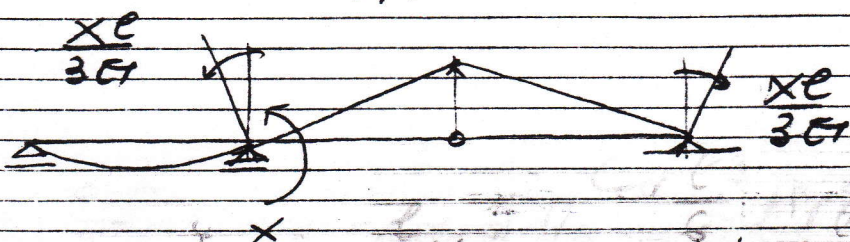
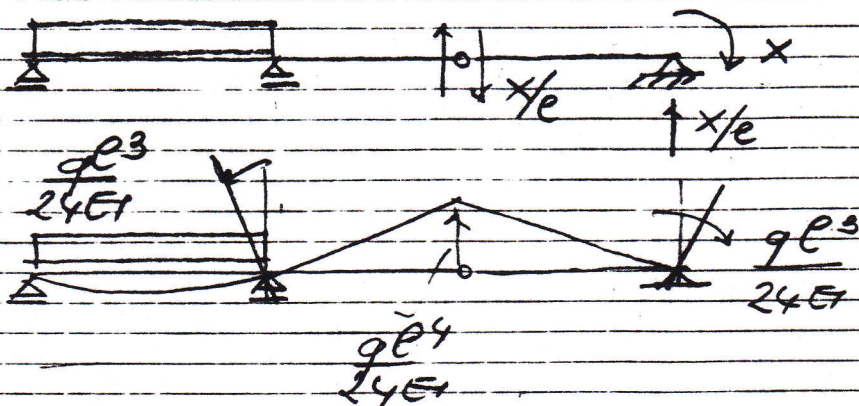
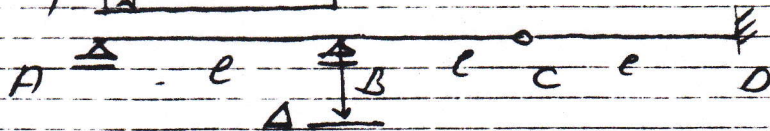


1B) 9  (2)



$$\sum_{i=1}^5 \varphi_i \cdot D_i = 0 = \frac{x e}{EI} + \frac{q e^3}{24 EI} - \frac{q \Delta}{e}$$

$$X = - \frac{q e^2}{24} + \frac{2 \Delta EI}{e^2}$$