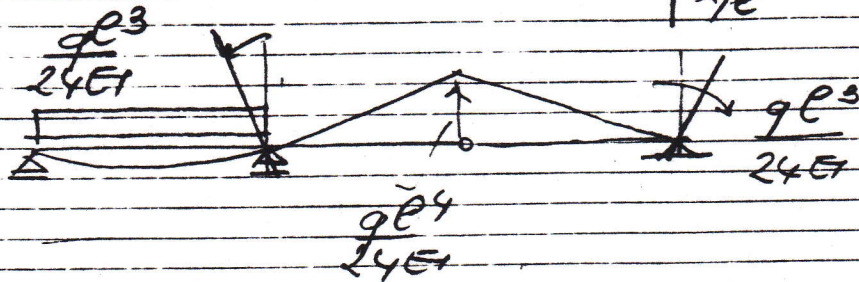
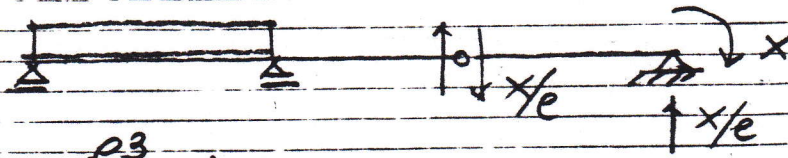
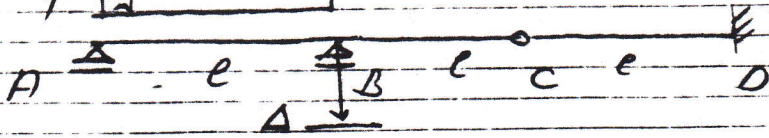
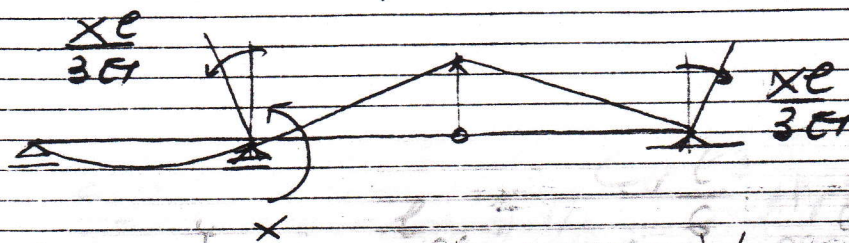


1B) 9

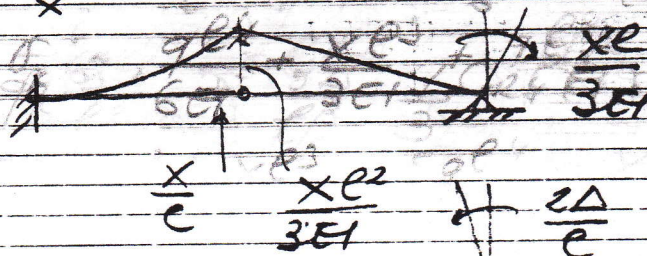
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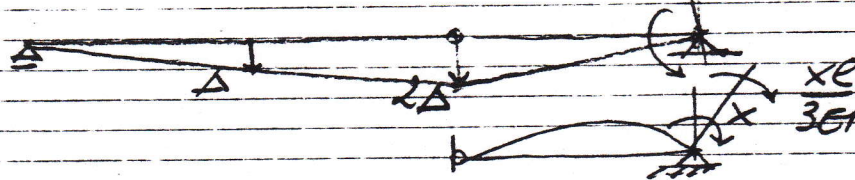
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2



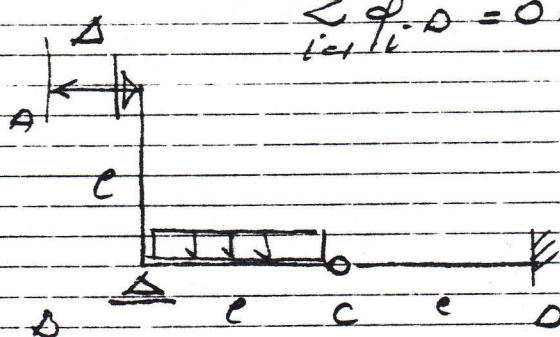
3



4

5

1C)



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

$$x = - \frac{q e^2}{24} + \frac{2 \Delta E I}{e^2}$$

