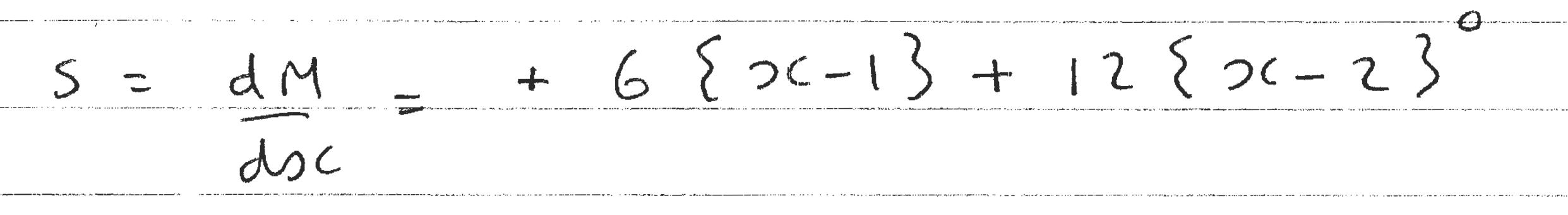
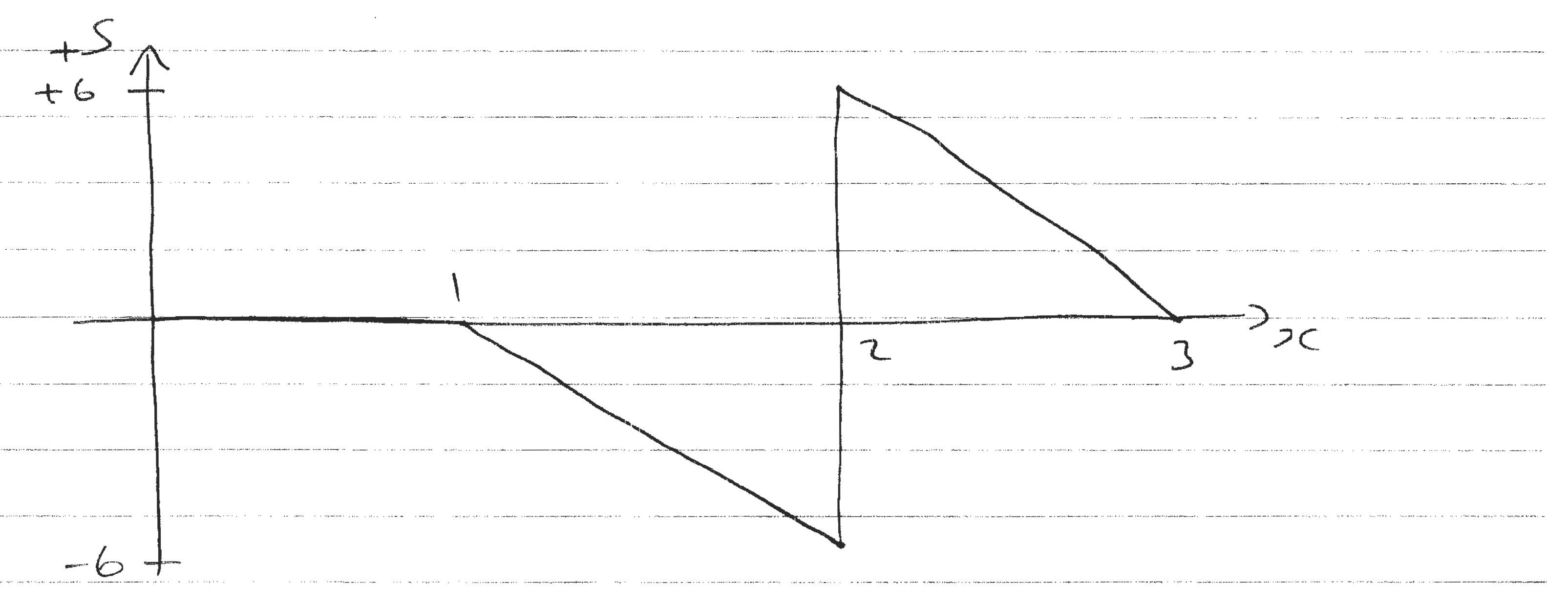
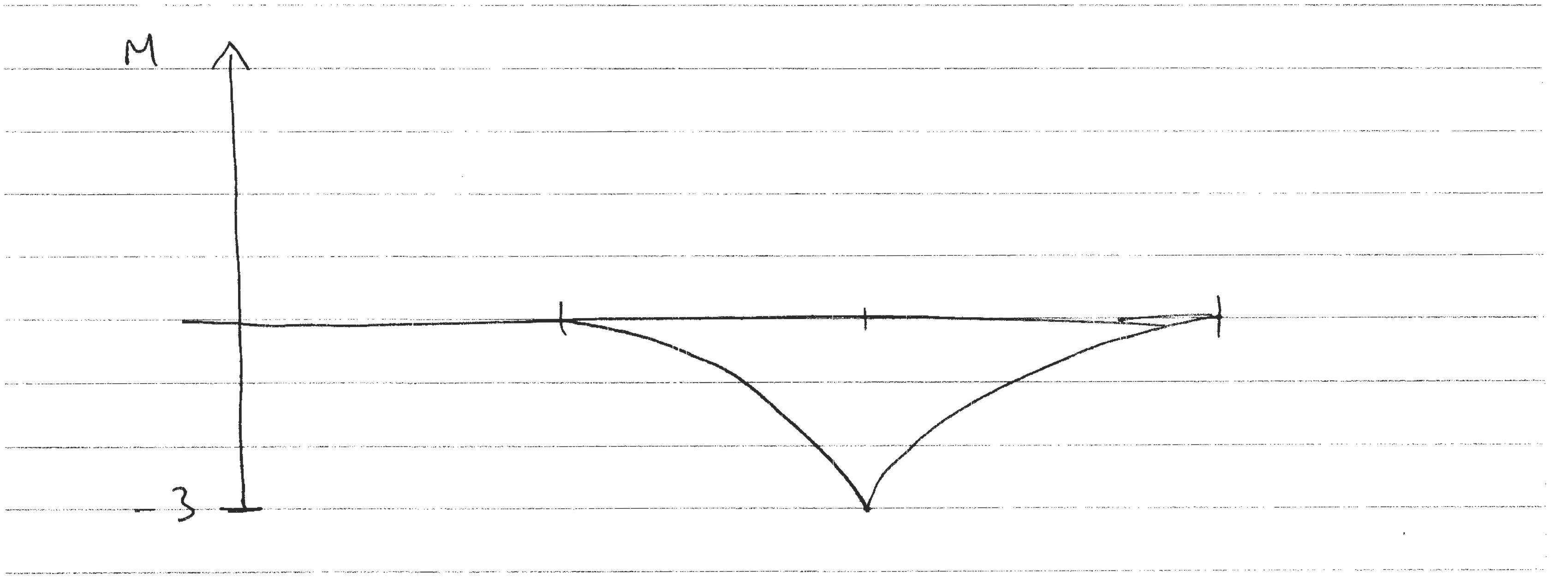
M7/M8 6 k N/m Apply Macauley's remod 15 + 12 \ 2 \ 2 - 2 \ 5







.

$$\frac{27 \, \text{dw}}{\text{dsc}} = -3 \left\{ 2c - 1 \right\} + 12 \left\{ 2c - 2 \right\} + A$$

$$EIW = -\frac{20c-13}{4} + 126[3c-2] + A3c+3$$

apply boundary Condihons

$$W = 0$$
 @ $0C = 0$, $0C = 2$

$$e_{0}(=0) = 8=0$$
 $\{0(-1), \{0(-2)\}=0$

$$EIW = -\frac{2x-13}{4} + 2(x-23) + 2C = \frac{3}{8}$$

Maximum deflection occurs entrer

$$-3c^{2}+33c^{2}-33c+9+128=0$$

$$=)FIW = -(0.04)^{4} + 1.04 = +0.13EIE$$

$$\omega = 0.13 \in 2 \times 1.04 \text{ m}$$

This is the maximum up benduing

$$W = \frac{0.13 \times 10^3}{3.54 \times 10^6} = \frac{36.7}{36.7}$$

$$GIW = -\frac{1}{2}\frac{4}{7} + 2\frac{1}{3}\frac{3}{8} + \frac{3}{8}$$

$$GIW = -4 + 2 + \frac{3}{8} \qquad \omega = -\frac{13}{8}$$

$$= -\frac{1}{6}\frac{625}{6I}$$

$$W = -\frac{4}{5}\frac{9}{9} \qquad \omega = \frac{1}{6}\frac{1}{2}$$

$$W = -\frac{4}{5}\frac{9}{9} \qquad \omega = \frac{1}{6}\frac{1}{2}$$

$$(0.459 \text{ mm})$$

$$(alculation of I)$$

$$IW$$

$$= \frac{1}{12}\frac{1}{12}\frac{1}{12}\frac{1}{12}\frac{3}{2}\frac{3}{2}\frac{3}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{3}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{3}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{3}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{3}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{$$

Hor no danger of yield due to tersile sheres will be maximum at Certer of beam. 19. for 2=0 70 IW 7.30 d2 + 7.100 d2 328.5 × 10 mm 1.29 × 10 6 MPa 2 = -6×103×328.5×103×107 Note I bean Shear stress & benduing shers Tield is not a problem (==

\$15 Note: 18 Note: 18