BOARD OF STUDIES NEW SOUTH WALES Question 6. 3 2 4 -1 ٩ 3 -3 -2 2 -4 -4 L X L 4. range ь) i 3x+3x-3-

RD OF STUDIES c) $V = T \int_{0}^{2} \frac{x^{4}}{4} dx$ = $T \int_{0}^{2} \frac{x^{5}}{5} dx$ $= \pi \left[\begin{array}{c} x \frac{5}{5} \cdot 4 \end{array} \right]_{0}^{2}$ $=\pi \left[\frac{3^{2}}{5.4} \right] - \left[\frac{0^{5}}{5.4} \right]$ = TTC 6.4×4] - [0] $=\pi [25.6]$ $= 80.4 \, \mathrm{u}^3$