CLT to estimate P[-0.3 < \(\frac{1}{2}\)Xi \(\leq 1.5\) M=0 02=E[X2]-E[x]2  $= \int_{X^{2}(\frac{3}{2})X^{2}J_{x}} - O^{2} = \int_{(\frac{3}{2})X^{4}J_{x}} - \frac{3}{2} \left(\frac{1}{5} + \frac{1}{5}\right) = \frac{3}{2} \left(\frac{1}{5} + \frac{1}{5}\right)$ (and so 0 = \( \frac{3}{3} = \tau 0.6  $P[-0.3 \le \sum_{i=1}^{15} x_i \le 1.5]$ x-M = 2x: - MM  $= \rho \left[ \frac{-0.3}{\sqrt{15(0.6)}} < \frac{\sum_{i=1}^{n} \chi_{i} - 0}{\sqrt{15 \cdot (0.6)}} < \frac{1.5}{\sqrt{15 \cdot (0.6)}} \right]$ ~ P[-0.1 < Z < 0.5] = 0.6915 + 0.5398-1 = 0.2313