

Find the sum:

$$\sum_{n=1}^{30} 2n^3 + 5n^2 + 3n$$

Find the limit:

$$a_n = \frac{3n^3+5}{2n^3+3n} + 1 \quad a_n = \frac{4n^2+2n+1}{5n^2-3n-8} \quad a_n = \left(\frac{2n^4+3}{n}\right) \left(\frac{2n}{n^2+3}\right)$$