

2) (10 pts) ANL (Summations)

a) (5 pts) Determine the value of the following summation, in terms of n : $\sum_{i=1}^{2n} (4i + 7)$. Express your final answer as a polynomial in the form $an^2 + bn$, where a and b are integers.

b) (5 pts) Determine the value of the summation below:

$$\sum_{i=21}^{100} (3i + 1)$$
