

Section 3-2:

1. Let  $t_n = 2n - 1$ , where  $n \geq 1$ .

a. Find the answer by hands and by a Python program

$$\sum_{i=3}^7 t_i$$

b. Find the answer by hands and by a Python program

$$\prod_{i=1}^3 t_i$$

2. Let  $x_1 = 2$ , and  $x_n = 3 + x_{n-1}$ , where  $n \geq 2$ .

Find the answer by hands and by a Python program.

$$\sum_{i=1}^{10} x_i$$

Note: Turn in your solution by hand and send your Python programs to Canvas.