Homework Assignment: 1
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1. Summation Practice

   (a)

$$\sum_{k=3}^{n+1} 1 =$$

a, none]n-1

$\sum_{i=1}^{100}(4+3i)n(a_1\frac{d(n-1)}{2})$

(b)

$$\sum_{i=2}^{200}(i-3)^2$$

(c)

$$\sum_{i=10}^{80}(i^3+i^2)$$

(d)

$$\sum_{j=0}^{n-1}(j+1)$$

(e) Create a summation for the following sequence: 2+4+8+16+32+64

$$\sum_{j=0}^{n-1}(j+1)$$

(f) Create a summation for the following sequence: 2+6+18+54+162

$$\sum_{j=0}^{n-1}(j+1)$$

(g) Create a summation for the following sequence: (-4)+(-1)+2+5+8+11+14

$$\sum_{j=0}^{n-1}(j+1)$$

2. Order of Growth

(a)

$$\sum_{i=2}^{n-1} lgi^2$$

(b)

$$\sum_{i=0}^{n-1}\sum_{j=0}^{i-1}(i+j)$$