

Assignment #

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Evaluate each series.

1)
$$\sum_{m=4}^9 (100 - m)$$

2)
$$\sum_{n=5}^9 (5n^2 + 3)$$

3)
$$\sum_{k=0}^6 (4k^2 + 2)$$

4)
$$\sum_{n=4}^8 (5n^2 - 1)$$

Find the explicit rule for the following sequence

5) 0, 3, 10, 21, 36, 55, ...

Answers to Assignment # (ID: 1)

1) 561

2) 1290

3) 378

4) 945

5) $an = 2n^2 - 3n + 1$