

Write the related arithmetic series for each sequence.

1. 3, 7, 11, 15, 19, ...

2. 10, 12, 14, 16, 18

3. 100, 150, 200, 250, 300, ...

4. 9, 18, 27, 36, 45

5. The following sequence has 11 terms. Find its sum: 8, 16, 24, 32, ..., 88

6. The following sequence has 15 terms. Find its sum: 12, 24, 36, 48, ..., 180

7. The following sequence has 6 terms. Find its sum: 100, 125, ..., 225

For each sequence: a) Write the related arithmetic series      b) Each sequence has 8 terms. Find its sum.

8. 1, -1, -3, ..., -13

9. 5, 13, 21, ..., 61

a)

a)

b)

b)

10. 1765, 1414, ..., -692

11. -3.5, -1.25, ..., 12.25

a)

a)

b)

b)