

Assignment

Date _____ Period _____

Evaluate each arithmetic series described.

1) $8 + 10 + 12 + 14\dots, n = 11$

2) $(-17) + (-21) + (-25) + (-29)\dots, n = 13$

3) $22 + 25 + 28 + 31\dots, n = 16$

4) $(-22) + (-31) + (-40) + (-49)\dots, n = 17$

5) $(-1) + 2 + 5 + 8\dots, n = 8$

6) $11 + 19 + 27 + 35\dots, n = 10$

7) $12 + 22 + 32 + 42\dots, n = 16$

8) $13 + 15 + 17 + 19\dots, n = 13$

Evaluate each geometric series described.

9) $-4 + 24 - 144 + 864\dots, n = 6$

10) $-2 + 4 - 8 + 16\dots, n = 8$

11) $2 + 8 + 32 + 128\dots, n = 8$

12) $-2 + 10 - 50 + 250\dots, n = 6$

13) $2 + 10 + 50 + 250\dots, n = 6$

14) $-1 - 2 - 4 - 8\dots, n = 6$

15) $-4 - 12 - 36 - 108\dots, n = 8$

16) $-4 + 16 - 64 + 256\dots, n = 6$