

Name : _____

Evaluate the Arithmetic Series

Mixed: S1

Evaluate each arithmetic series.

1) $a_1 = 1.5, a_n = 206.7, n = 28$

2) $\sum_{k=1}^6 (-3.5k - 7.5)$

3) $5 + 7 + 9 + \dots$ upto

202, $n = 32$

5) $a_1 = -4\sqrt{6}, a_n = 1$

$+ \frac{3}{2}$

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7) $\sum_{p=1}^5 \left(-2 + \frac{p}{2}\right)$

8) $\frac{5}{3} + \frac{2}{3} - \frac{1}{3} - \dots$ upto 8 terms

Evaluate the Arithmetic Series

Evaluate each arithmetic series.

1) $a_1 = 1.5, a_n = 206.7, n = 28$

2) $\sum_{k=1}^6 (-3.5k - 7.5)$

2914.8

-118.5

3) $5 + 7 + 9 + \dots$ upto

202, $n = 32$

PREVIEW

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5) $a_1 = -4\sqrt{6}, a_n = 1$

$+ \frac{3}{2}$

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$649\sqrt{6}$

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7) $\sum_{p=1}^5 \left(-2 + \frac{p}{2}\right)$

8) $\frac{5}{3} + \frac{2}{3} - \frac{1}{3} - \dots$ upto 8 terms

$-\frac{5}{2}$ or $-2\frac{1}{2}$

$-\frac{44}{3}$ or $-14\frac{2}{3}$