

Name : _____

Evaluate the Arithmetic Series

T2S1

Evaluate each arithmetic series.

1) $\sum_{k=1}^{28} (5 + 3k)$

2) $\sum_{f=1}^{15} (4(f - 2) - 6)$

3) $\sum_{p=1}^{23} (7.1p$

PREVIEW

$+ \frac{6}{5}(h + 1))$

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5) $\sum_{y=1}^8 (-10 -$

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$k - 2.3)$

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7) $\sum_{c=1}^{17} (-5c + 12)$

8) $\sum_{a=1}^{10} \left(23 - \frac{15(a + 1)}{2}\right)$

Evaluate the Arithmetic Series

Evaluate each arithmetic series.

1) $\sum_{k=1}^{28} (5 + 3k)$

1358

2) $\sum_{f=1}^{15} (4(f - 2) - 6)$

270

3) $\sum_{p=1}^{23} (7.1p$

2028.

PREVIEW

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$+ \frac{6}{5}(h + 1))$

7 or $59\frac{2}{5}$

5) $\sum_{y=1}^8 (-10 -$

-404

$k - 2.3)$

716.4

7) $\sum_{c=1}^{17} (-5c + 12)$

-561

8) $\sum_{a=1}^{10} \left(23 - \frac{15(a + 1)}{2}\right)$

$-\frac{515}{2}$ or $-257\frac{1}{2}$