

Name : \_\_\_\_\_

T2S3

## Evaluate the Arithmetic Series

Evaluate each arithmetic series.

1)  $\sum_{z=1}^{37} (-42 + 14z)$

2)  $\sum_{v=1}^{50} (10v + 5.5)$

3)  $\sum_{x=1}^5 (-10 + (x - 6) + 20)$

5)  $\sum_{m=1}^{11} (-2 + (m + 8.2))$

7)  $\sum_{a=1}^{47} (-3(a + 7) - 2)$

8)  $\sum_{n=1}^{32} (9 + 9n)$

**PREVIEW**

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**Evaluate the Arithmetic Series**

Evaluate each arithmetic series.

1)  $\sum_{z=1}^{37} (-42 + 14z)$

**8288**

2)  $\sum_{v=1}^{50} (10v + 5.5)$

**13025**

3)  $\sum_{x=1}^5 (-10 + 3x)$

**3****PREVIEW**

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5)  $\sum_{m=1}^{11} (-2 + 3m)$

 **$\frac{2618}{5}$** **1.2**

7)  $\sum_{a=1}^{47} (-3(a + 7) - 2)$

**-4465**

8)  $\sum_{n=1}^{32} (9 + 9n)$

**5040**