## **Evaluate: Special Series**

Evaluate each series.

1) 
$$\sum_{n=1}^{17} (n^3 + 25n)$$

2) 
$$\sum_{d=1}^{23} 11(2d-1)^2$$

3) 
$$\sum_{z=1}^{9} (-2z)^{-1}$$

## 3) $\sum_{z=1}^{9} (-2z)^3$ **PREVIEW**

13)

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7) 
$$\sum_{x=1}^{41} 17x$$

8) 
$$\sum_{g=1}^{36} (g^3 - 2g^2)$$