Name : _____

Evaluate: Special Series

Evaluate each series.

1) $\displaystyle\sum_{k=4}^{16} (3k^2 - 2)$

2) $\displaystyle\sum_{q=5}^{12} (8 + 2q^3)$

3) $\displaystyle\sum_{m=3}^{11} \left(\frac{m}{2}(m^2 \right.$

5) $\displaystyle\sum_{p=9}^{23} (50 - $

7) $\displaystyle\sum_{y=11}^{27} (y(y+2))$

8) $\displaystyle\sum_{c=6}^{14} \left(\frac{c^3 + 1}{3}\right)$