Summation

Compute the following sums:

a) $\displaystyle\sum_{k=1}^{5} k^2$

b) $\displaystyle\sum_{k=1}^{3} (2k)^2$

c) $\displaystyle\sum_{n=1}^{4} (-1)^n n$

d) $\displaystyle\sum_{k=0}^{5} 2^k$

18.01SC Single Variable Calculus
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