Compute:

a)
$$\sum_{i=1}^{7} i$$
 b) $\sum_{i=3}^{5} 2i^2$

Write out the sums:

a)
$$\sum_{k=1}^{10} \frac{1}{k}$$
 b) $\sum_{k=1}^{5} k\sqrt{k-1}$

Decide whether the following identities are true or false. Explain your answers

a)
$$\sum_{i=1}^{n} (a_i + b_i) = \sum_{i=1}^{n} a_i + \sum_{i=1}^{n} b_i$$

b) $\sum_{i=1}^{n} a_i bi = (\sum_{i=1}^{n} a_i) (\sum_{i=1}^{n} b_i)$
c) $\sum_{i=1}^{n} (ca_i) = c (\sum_{i=1}^{n} a_i)$