Shawkah school for boys

Lesson 4.2
SUMS AND SIGMA NOTATION

Write in summation notation

a) $\sqrt{1} + \sqrt{2} + \sqrt{3} + \cdots + \sqrt{10}$

$\sum_{i=0}^{10} i$ $\sum_{i=1}^{10} i$ $\sum_{i=0}^{10} (i+1)$

Write in summation notation:
the sum of the **first 200 odd** positive integers.

$\sum_{i=1}^{200} 2i - 1$ $\sum_{i=0}^{200} 2i + 1$ $\sum_{i=1}^{200} 2i$

compute the sums

$$\sum_{i=1}^{8} (2i + 1)$$

70 90 80

Find $\int x^{\frac{1}{4}} \left(x^{\frac{5}{4}} - 4\right) dx$

$\frac{2}{5}\sqrt{x^5} - \frac{16}{5}\sqrt[4]{x^5}$

$\frac{2}{5}\sqrt{x^5} - \frac{16}{5}\sqrt[4]{x^5} + c$

$\frac{2}{5}\sqrt{x^5} - \frac{16}{5}\sqrt[5]{x^4}$

LIVEWORKSHEETS