Name : _____

General Series

Rewrite the following.

1) $\sum_{k=1}^{5} (k(k+2))$; starts at $k = 7$

2) $\sum_{n=13}^{20} (n-5)^2$; starts at $n = 5$

3) $\sum_{x=2}^{7} \left(\frac{1}{x}\right)^x$; star

starts at a = 11

5) $\sum_{c=30}^{38} (-10 - c^2)$

$^2)$; starts at m = 45

7) Are these equal ? $\sum_{z=3}^{6} (2+z)$ and $\sum_{z=10}^{13} (z-7)$

_____

Name : _____

Answer key

General Series

Sheet 1

Rewrite the following.

1) $\sum_{k=1}^{5} (k(k+2))$; starts at $k = 7$

2) $\sum_{n=13}^{20} (n-5)^2$; starts at $n = 5$

$\sum_{k=7}^{11} ((k-6)(k-4))$

$\sum_{n=5}^{12} (n+3)^2$

3) $\sum_{x=2}^{7} \left(\frac{1}{x}\right)^x$; star

starts at a = 11

$\sum_{x=9}^{14} \left(\frac{1}{x-}\right.$

$\left. - \frac{1}{7}(a+17)\right)$

5) $\sum_{c=30}^{38} (-10 - c^2)$

$^2)$; starts at m = 45

$\sum_{c=24}^{32} (-1($

$1)^{m+5} \cdot (m+5)^2)$

7) Are these equal ? $\sum_{z=3}^{6} (2+z)$ and $\sum_{z=10}^{13} (z-7)$

No