General Series

Date_____ Period____

Rewrite each series using sigma notation.

1) $\frac{1}{2}+\frac{2}{3}+\frac{3}{4}+\frac{4}{5}+\frac{5}{6}$

2) $2+4+8+16+32+64$

3) $4+2+\frac{4}{3}+1+\frac{4}{5}+\frac{2}{3}$

4) $1+2+3+4+5$

5) $\frac{1}{2}+\frac{2}{3}+\frac{3}{4}+\frac{4}{5}+\frac{5}{6}+\frac{6}{7}$

6) $\frac{1}{2}+\frac{1}{4}+\frac{1}{8}+\frac{1}{16}+\frac{1}{32}+\frac{1}{64}$

7) $9+\frac{9}{2}+3+\frac{9}{4}$

8) $1+4+9+16+25$

9) $\frac{1}{2}+\frac{2}{3}+\frac{3}{4}+\frac{4}{5}$

10) $1+2+3+4+5+6$

Answers to General Series (ID: 1)

1) $\sum_{m=1}^{5} \frac{m}{m+1}$

2) $\sum_{m=1}^{6} 2^m$

3) $\sum_{n=1}^{6} \frac{4}{n}$

4) $\sum_{m=1}^{5} m$

5) $\sum_{m=1}^{6} \frac{m}{m+1}$

6) $\sum_{a=1}^{6} \frac{1}{2^a}$

7) $\sum_{n=1}^{4} \frac{9}{n}$

8) $\sum_{m=1}^{5} m^2$

9) $\sum_{m=1}^{4} \frac{m}{m+1}$

10) $\sum_{m=1}^{6} m$