

Section/Lesson Title: Series / Sequence Review

Materials: WS

HW# 4.13 WS

Reflections:

I General (NO shortcuts - reading problem :))

1. EXPAND & SIMPLIFY: ~~$\sum_{i=3}^6 \frac{i!}{2}$~~ $\sum_{i=1}^5 \frac{i!}{2}$

2. WRITE IN SUMMATION NOTATION: $\frac{1}{2} + \frac{2}{4} + \frac{6}{8} + \frac{24}{16} + \frac{120}{32}$

$$\sum_{i=1}^5 \frac{i!}{2^i}$$

3. EVALUATE: $\frac{25!}{23!}$

II Arithmetic (DOES HAVE shortcuts :))

$$a_n = a_1 + d(n-1)$$

$$S_n = (a_1 + a_n) \frac{n}{2}$$

THE PATTERNS MUST BE LINEAR!
OR THESE WON'T WORK