





70

10

$2, -2, 2, -2, 2, -2, \dots$

30  
4

$$\sum_{k=1}^3 \frac{1}{2^{k-1}}$$

24

$$\sum_{k=1}^4 \left( 27 \times \left( \frac{2}{3} \right)^{k-1} \right), \text{ find last term}$$

$a_k = 3 \times 2^k$ , find  $a_3$

$$u_k = 5 \times \left( \frac{1}{5} \right)^k, \text{ find } u_1$$

$a_{k+1} = \frac{1}{2} a_k, a_1 = 48$ , find  $a_5$

$a_{k+1} = a_k + 3, a_1 = 2$ , find  $a_3$

$a_{k+1} = -a_k, a_1 = 2$ , find  $a_3$

$4, 2, 1, \frac{1}{2}, \dots$

general term  $11 - 3r$

general term  $2 \times 3^{k-1}$

162

$$\sum_{k=1}^4 (2k+2)$$

$$4 \times \binom{k-1}{2}$$

general term  $4 \times \binom{k-1}{2}$

