

$$\begin{aligned} 4204 \text{ a)} \quad a_{60} &= 4 + (n-1)2 \\ &= 4 + 59 \cdot 2 \\ &= 4 + 118 \\ &= 122 \end{aligned}$$

$$\begin{aligned} S_{60} &= 60 \left(\frac{4+122}{2} \right) \\ &= 60 \cdot \frac{126}{2} \\ &= 60 \cdot 63 \\ &= 3780 \end{aligned}$$

b) Vad är sista termen $n=60$

$$\begin{aligned} a_{60} &= a_1 + (n-1) \cdot 3 \\ &= 6 + 59 \cdot 3 \\ &= 6 + 177 \\ &= 183 \end{aligned}$$

$$\begin{aligned} S_{60} &= 60 \cdot \left(\frac{6+183}{2} \right) \\ &= 60 \cdot \frac{189}{2} \\ &= 60 \cdot 94,5 \\ &= 5670 \end{aligned}$$