$a_3 = 1$

(b) $b_1 = 0,25 \times 4 = 1$

$b_2 = 1 \times 4 = 4$

$b_3 = 4 \times 4 = 16$

$b_4 = 16 \times 4 = 64$

$b_5 = 64 \times 4 = 256$

$b_6 = 256 \times 4 = 1024$

$$\sum_{n=1}^{9} = \frac{3n - 1}{n}$$

$$\frac{3 \times 1 - 1}{1} = 1$$

$$\frac{3 \times 2 - 1}{3} = 2.5$$

$$\frac{3 \times 9 - 1}{2} = \frac{26.5}{2}$$

$$= \frac{60911}{2520}$$

Escaneado con CamScanner

$$\sum_{n=1}^{5} \left(\frac{2}{7}\right)^{n-1}$$

$r = \frac{2}{7}$, $a_n = \left(\frac{2}{7}\right)^{n-1}$

$$S_n = \frac{1 - r^n}{1 - r}$$

$$= 1 \cdot \frac{1 - \left(\frac{2}{7}\right)^5}{1 - \frac{2}{7}}$$

$$= \frac{3355}{2401}$$