

EXERCICE UNIQUE

Étudier le sens de variation :

$$a_m = m^2 + 6m + 10 \quad , m \in \mathbb{N}$$

$$b_m = \frac{3m+2}{2m+3} \quad , m \in \mathbb{N}$$

$$c_m = 2 \times \left(\frac{1}{2}\right)^m \quad , m \in \mathbb{N}$$

$$d_m = 2 - \left(\frac{2}{3}\right)^m \quad , m \in \mathbb{N}$$

$$e_m = \sqrt{2+m} \quad , m \in \mathbb{N}$$

$$f_m = 1 + \frac{1}{2} + \frac{1}{3} + \dots + \frac{1}{m} \quad , m \geq 3$$