

**Enunciados**

Escribe el comienzo de cada una de las siguientes sucesiones calculando sus cuatro primeros términos.

①  $a_n = 4n + 3$

②  $b_n = 3^n - 50$

③  $c_n = -5n + 8$

④  $d_n = (-1)^n \cdot n^3$

⑤  $e_n = (-1)^{n+1} \cdot (7n + 1)$

⑥  $f_n = 2^n \cdot (n + 1)$

⑦  $g_n = -3n + n^2$

⑧  $h_n = (-1)^n + (-1)^{n+1}$

⑨  $i_n = 2^{n-1}$

⑩  $j_n = n \cdot (n - 3)$

⑪  $k_n = (n - 2) \cdot (n - 3)$

⑫  $m_n = 4n - 5$

⑬  $p_n = n^n$

⑭  $q_n = (-1)^{n+1} \cdot (-2)^n$

⑮  $r_n = 2 \cdot 4^{n-1}$

⑯  $s_n = -7n + 21$

⑰  $t_n = 100n^2 - n$

⑱  $u_n = (n - 3)^3$

⑲  $v_n = (-1)^n \cdot (n - 1)^{n+1}$

⑳  $w_n = 10 - (n^2 - n)^2$

㉑  $x_n = n^3 - 2n - 3$

㉒  $y_n = \frac{n^3 + n^2}{n^2 + n}$

㉓  $z_n = \sqrt{(n+1)(n-1)+1}$

㉔  $\alpha_n = 12:n$

㉕  $\beta_n = n^{(n-1)^2}$

## Soluciones

- ①  $a \rightarrow 7, 11, 15, 19, \dots$
- ②  $b \rightarrow -47, -41, -23, 31, \dots$
- ③  $c \rightarrow 3, -2, -7, -12, \dots$
- ④  $d \rightarrow -1, 8, -27, 64, \dots$
- ⑤  $e \rightarrow 8, -15, 22, -29, \dots$
- ⑥  $f \rightarrow 4, 12, 32, 80, \dots$
- ⑦  $g \rightarrow -2, -2, 0, 4, \dots$
- ⑧  $h \rightarrow 0, 0, 0, 0, \dots$
- ⑨  $i \rightarrow 1, 2, 4, 8, \dots$
- ⑩  $j \rightarrow -2, 2, 0, 4, \dots$
- ⑪  $k \rightarrow 2, 0, 0, 2, \dots$
- ⑫  $m \rightarrow -1, 3, 7, 11, \dots$
- ⑬  $p \rightarrow 1, 4, 27, 256, \dots$
- ⑭  $q \rightarrow 2, 4, 8, 16, \dots$
- ⑮  $r \rightarrow 2, 8, 32, 128, \dots$
- ⑯  $s \rightarrow 14, 7, 0, -7, \dots$
- ⑰  $t \rightarrow 99, 398, 897, 1596, \dots$
- ⑱  $u \rightarrow -8, -1, 0, 1, \dots$
- ⑲  $v \rightarrow 0, 1, -16, 243, \dots$
- ⑳  $w \rightarrow 10, 6, -26, -134, \dots$
- ㉑  $x \rightarrow -4, 1, 18, 53, \dots$
- ㉒  $y \rightarrow 1, 2, 3, 4, \dots$
- ㉓  $z \rightarrow 1, 2, 3, 4, \dots$
- ㉔  $\alpha \rightarrow 12, 6, 4, 3, \dots$
- ㉕  $\beta \rightarrow 1, 2, 81, 262\ 144, \dots$