

$$a_n = a_1 + (n-1)d$$

$$n^{th}$$
$$\begin{array}{cccc} -2 & 1 & 4 & \dots \end{array}$$

$$d = a_2 - a_1$$

$$d = 1 - (-2)$$

$$d = 1 + 2$$

$$d = 3$$

$$a_n = a_1 + (n-1)d$$

$$a_n = -2 + (n-1)3$$

$$a_n = -2 + 3n - 3$$

$$a_n = 3n - 5$$

