$$= \sum_{j=0}^{x-1} (1+i)^{x-j}$$

$$= (1+i)^{x} + (1+i)^{x-1} + \cdots (1+i)^{1}; \text{ or}$$

$$= \frac{(1+i)^{n} - 1}{i} \times (1+i)$$