

## Solutions

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Each answer shows the steps, then the **result**.

**2.1**

- $d = 4$

**2.2**

- $r = 3$

**2.3**

- $a_5 = 4 + (5 - 1)(3) = 4 + 12 = 16$

**3.1 B**

**3.2 B**

**3.3**

(a)

- 10

(b)

- 20

(c)

- $g_n = 5 \cdot 2^{n-1}$