

Find the first four terms in each sequence.

$$a_n = \frac{n+5}{n^3}$$

$$a_n = 4^{n-1}$$

$$a_n = a_{n-1} + 12$$

$$a_1 = 34$$

$$a_n = a_{n-1} \cdot 3$$

$$a_1 = -2$$

Find the 12th term in each sequence.

$$a_n = (3n)^2$$

$$a_n = (2n - 1)^2$$

$$a_n = na_{n-1}$$

$$a_1 = -1$$

$$a_n = \frac{3 + a_{n-1}}{5}$$

$$a_1 = -10$$

Write the explicit formula for each sequence.

$$-12, -10, -8, -6, -47\dots$$

$$-10, -5, -\frac{10}{3}, -\frac{5}{2}, -2\dots$$

$$2, 4, 7, 11, 16\dots$$

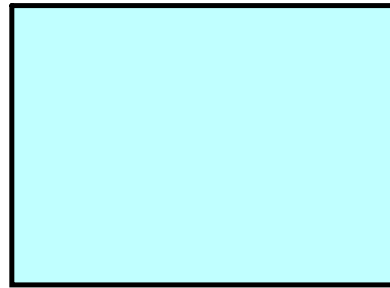
$$15, 215, 415, 615, 815\dots$$

Given the explicit formula, find the first five terms and the 8th term.

$$a_n = 3^{n-1}$$



$$a_n = 2 \cdot \left(\frac{1}{4}\right)^{n-1}$$



Given the recursive formula, find the common ratio, first five terms and the explicit formula.

$$a_n = a_{n-1} \cdot 2$$

$$a_1 = 2$$



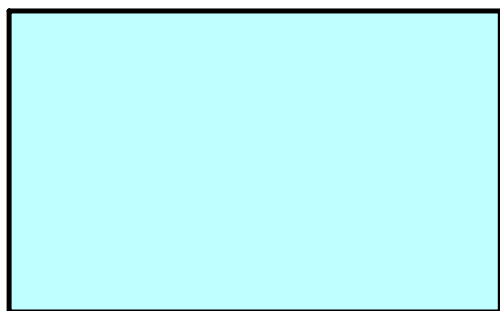
$$a_n = a_{n-1} \cdot -3$$

$$a_1 = -3$$



Given the first term and the common ratio, find the first five terms and the explicit formula.

$$a_1 = 0.8, r = -5$$



$$a_1 = 1, r = 2$$

