

Number:

Textbook Section:

Title:

Definition:

1. Find the first five terms and the 10th term of the sequence:

$$a_n = n^2 + 1$$

2. Find the first five terms and the 10th term of the sequence:

$$a_n = \frac{(-1)^n}{(n+1)(n+2)}$$

3. Find the n^{th} term of the sequence:

$$-\frac{1}{3}, \frac{1}{9}, -\frac{1}{27}, \frac{1}{81}, \dots$$

4. Find the n^{th} term of the sequence:

$$1, 4, 7, 10, \dots$$

5. Find the n^{th} term of the sequence:

$$1, \frac{1}{2}, 3, \frac{1}{4}, 5, \frac{1}{6}, 7, \frac{1}{8}, \dots$$