

# Finding the Nth Term

## Answers

Find the nth term for the following sequences:

a) 3, 6, 9, 12, 15

+3 → 3n

**3n**

b) 7, 14, 21, 28, 35

+7 → 7n

**7n**

c) 3, 5, 7, 9, 11

+2 → 2n

2, 4, 6, 8, 10

+1

**2n + 1**

d) 7, 11, 15, 19, 23

+4 → 4n

4, 8, 12, 16, 20

+3

**4n + 3**

e) 1, 4, 7, 10, 13

+3 → 3n

3, 6, 9, 12, 15

-2

**3n - 2**

f) 8, 13, 18, 23, 28

+5 → 5n

5, 10, 15, 20, 25

+3

**5n + 3**

g) 0, 4, 8, 12, 16

+4 → 4n

4, 8, 12, 16, 20

-4

**4n - 4**

h) 2, 9, 16, 23, 30

+7 → 7n

7, 14, 21, 28, 35

-5

**7n - 5**

i) 14, 23, 32, 41, 50

+9 → 9n

9, 18, 27, 36, 45

+5

**9n + 5**

j) 4, 16, 28, 40, 52

+12 → 12n

12, 24, 36, 48, 60

-8

**12n - 8**