**NUMBER PATTERNS**

Quadratic Patterns

The general quadratic pattern:

Finding the

2. [Make the subject]
3. [Make C the subject]

Example

Determine the general term of the sequence: 8; 20; 38; 62; …

Solution: 8 20 38 62

First difference 12 18 24

Second difference 6 6

1. a =



Therefore:

**EXERCISE**

For the following patterns, find the general term ()

1. 3; 6; 10; 15; 21;…
2. -9; -3; 10; 30; 57; …