

Name : \_\_\_\_\_

## General Term

L1S1

### Part A

Write the arithmetic sequence using the given general term.

1)  $a_n = -23 + 17(n + 1)$

\_\_\_\_\_

2)  $a_n = 7 - 4n$

\_\_\_\_\_

3)  $a_n = 15 - 5(n - 1)$

\_\_\_\_\_

4)  $a_n = \frac{12 + 8(n + 1)}{2}$

\_\_\_\_\_

5)  $a_n = -43 + 21n$

\_\_\_\_\_

6)  $a_n = 18 + 6(n + 1)$

\_\_\_\_\_

### Part B

Write the general term of each arithmetic sequence.

7) 78, 150, 222, 294, 366, ...

\_\_\_\_\_

8) 18, 25, 32, 39, 46, ...

\_\_\_\_\_

9) -14, -30, -46, -62, -78, ...

\_\_\_\_\_

10) 5, 8, 11, 14, 17, ...

\_\_\_\_\_

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## Answer key

### General Term

L1S1

#### Part A

Write the arithmetic sequence using the given general term.

1)  $a_n = -23 + 17(n + 1)$

11, 28, 45, 62, 79, ...

2)  $a_n = 7 - 4n$

3, -1, -5, -9, -13, ...

3)  $a_n = 15 - 5(n - 1)$

15, 10, 5, 0, -5, ...

4)  $a_n = \frac{12 + 8(n + 1)}{2}$

14, 18, 22, 26, 30, ...

5)  $a_n = -43 + 21n$

-22, -1, 20, 41, 62, ...

6)  $a_n = 18 + 6(n + 1)$

30, 36, 42, 48, 54, ...

#### Part B

Write the general term of each arithmetic sequence.

7) 78, 150, 222, 294, 366, ...

$a_n = 6 + 72n$

8) 18, 25, 32, 39, 46, ...

$a_n = 11 + 7n$

9) -14, -30, -46, -62, -78, ...

$a_n = 2 - 16n$

10) 5, 8, 11, 14, 17, ...

$a_n = 2 + 3n$