

Identify Arithmetic Sequences

Name in English

Determine whether each sequence is arithmetic. Write yes or no.

1. $8, -2, -12, -22, \dots$

a) Yes with $d = -10$

b) Yes with $d = 10$

c) No, it is not arithmetic.

2. $-19, -12, -5, 2, 9, \dots$

a) Yes with $d = 7$

b) Yes with $d = -7$

c) No, it is not arithmetic.

3. $1, 2, 4, 8, 16, \dots$

a) Yes with $d = 2$

b) Yes with $r = 2$

c) No, it is not arithmetic.

Find the next four terms of each arithmetic sequence.

4. $6, 18, 30, \dots$

5. $-19, -11, -3, \dots$