

Nth Term of a Linear Sequence

Find the n th term for each of these sequences.

- (a) 4, 8, 12, 16, 20, ...
- (b) 7, 14, 21, 28, 35, ...
- (c) 5, 10, 15, 20, 25, ...
- (d) 11, 22, 33, 44, 55, ...

- (a) $4n$
- (b) $7n$
- (c) $5n$
- (d) $11n$

Find the n th term for each of these sequences.

- (a) 6, 11, 16, 21, 26, ...
- (b) 7, 9, 11, 13, 15, ...
- (c) 13, 16, 19, 22, 25, ...
- (d) 9, 15, 21, 27, 33, ...
- (e) 4, 5, 6, 7, 8, ...
- (f) 6, 10, 14, 18, 22, ...

- (a) $5n+1$
- (b) $2n+5$
- (c) $3n+10$
- (d) $6n+3$
- (e) $n+3$
- (f) $4n+2$

Find the n th term for each of these sequences.

- (a) 2, 5, 8, 11, 14, ...
- (b) 1, 5, 9, 13, 17, ...
- (c) 3, 8, 13, 18, 23, ...
- (d) 4, 14, 24, 34, 44, ...
- (e) 0, 2, 4, 6, 8, ...
- (f) -2, 5, 12, 19, 26, ...

- (a) $3n-1$
- (b) $4n-3$
- (c) $5n-2$
- (d) $10n-6$
- (e) $2n-2$
- (f) $7n-9$

Find the n th term of each of these sequences.

- (a) 4.4, 4.6, 4.8, 5, 5.2, ...
- (b) 1.5, 3.5, 5.5, 7.5, 9.5, ...
- (c) -13, -11, -9, -7, -5, ...
- (d) -4, -3.5, -3, -2.5, -2, ...

- (a) $0.2n+4.2$
- (b) $2n-0.5$
- (c) $2n-15$
- (d) $0.5n-4.5$

Find the n th term of these sequences.

- (a) $a+2, a+4, a+6, a+8, \dots$
- (b) $a+b, a+2b, a+3b, a+4b, \dots$
- (c) $c, c+5, c+10, c+15, \dots$

- (a) $2n+a$
- (b) $bn+a$
- (c) $5n+c-5$