

Arithmetic Sequences - Explicit Formula

Find the common difference. Write the explicit formula. Determine the unknown term in the arithmetic sequence.

1) $-3, 7, 17, 27, \dots$

Find a_{33}

2) $32, 41, 50, 59, \dots$

Find a_{40}

3) $32, 40, 48, 56, \dots$

Find a_{34}

4) $-28, -38, -48, -58, \dots$

Find a_{33}

5) $-13, -23, -33, -43, \dots$
Find a_{23}

6) $-19, -17, -15, -13, \dots$
Find a_{29}

7) $-30, -130, -230, -330, \dots$
Find a_{38}

8) $-12, -17, -22, -27, \dots$
Find a_{40}

9) $29, -171, -371, -571, \dots$
Find a_{32}

10) $-24, -14, -4, 6, \dots$
Find a_{21}