

Explicit Formulas for Arithmetic Sequences

- 1) Given the arithmetic sequence $\frac{1}{6}, \frac{11}{12}, \frac{5}{3}, \frac{29}{12}, \frac{19}{6}, \dots$ find the 14th term.

- 2) Determine the 23rd term in the arithmetic progression $-13, -21, -29, -37, -45, \dots$

- 3) Find the 13th term of the sequence $485, 510, 535, 560, 585, \dots$

- 4) Given the arithmetic progression $0.5, 0.15, -0.2, -0.55, -0.9, \dots$ find the 54th term.

- 5) Calculate the 21st term in the arithmetic progression $\sqrt{8}, \sqrt{18}, \sqrt{32}, \sqrt{50}, \sqrt{72}, \dots$
