

# Arithmetic Sequence

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- 1) If the second term of a sequence is  $\sqrt{5}$  and the common difference is  $-2\sqrt{5}$ , find the 22<sup>nd</sup> term.

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- 2) Which term of the arithmetic progression  $\frac{2}{3}, -\frac{13}{15}, -\frac{12}{5}, \dots$  is  $-\frac{404}{15}$ ?

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- 3) Ninety-one is the last term of the sequence 1, 4, 7, ... Start backwards from 91 to find the 10<sup>th</sup> term.

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- 4) How many 3-digit numbers are divisible by 6?

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- 5) Find the first negative term in the sequence  $25, \frac{97}{4}, \frac{47}{2}, \dots$

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