

Advanced Higher Maths
SQA 2017 Paper
Question 4



The fifth term of an arithmetic sequence is -6 and the twelfth term is -34 .

- (a) Determine the values of the first term and the common difference. 2
- (b) Obtain algebraically the value of n for which $S_n = -144$. 3
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Answers:

- (a) $a = 10, d = -4$
- (b) $n = 12$