

Higher Maths
SQA 2018 Specimen
Paper 1 Question 5



The points $A(0, 9, 7)$, $B(5, -1, 2)$, $C(4, 1, 3)$ and $D(x, -2, 2)$ are such that \overrightarrow{AB} is perpendicular to \overrightarrow{CD} .

Determine the value of x .

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Answer:

$$x = -3$$