

3		$a + 14d = 88 \quad \text{(i)}$ $\frac{10}{2}(2a + 9d) = 310 \quad \text{(ii)}$ Substitute from (i) into (ii) $\frac{10}{2}(2(88 - 14d) + 9d) = 310$ $176 - 19d = 62$ $d = 6, a = 4$	M1 A1 M1 A1 M1 A1 [6]	M1 for one error, eg $a + 9d = 88$ M1 for $\frac{15}{2}(2a + 14d) = 310$ or for one error, eg $5(2a + 18d) = 310$ Attempt substitution, elimination or to verify solutions found BC. Condone one arithmetical error SC for last 2 marks: Correct answers, substitution not seen: <div style="text-align: right;">B1B0, dep M1M1</div> cao
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