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-0.315 1.05	M1 A1 2	
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3. $(2a+b)(a-2b)$ (2a+b)(2a-b) a-2b 2a-b	M1 M1 A1 3	for factorisation of den
4. QB - QA = $(4i + j - 3k) - (3i - 2j + k)$ = $4i + j - 3k - 2i + 2j - k$ AB = $j + 3j - 4k$ . Accept column rectors = $1^2 - 3^2 + (-4)^2$ = $1 + 3j - 4k$ = $1 + 9 + 6$ = $126$ = 5.099	MI	$(3j - 2j + k) - (4j - 1) - 3k$ $3i - 2j - k - 4i - j + 3k$ $BA = -j - 3j + 4k$ $BA = \sqrt{(-1)^2 + (-3)^2 + 4^2}$ $= \sqrt{1 + 9 + 16}$ $= 5.099$ $= 5.10$ Al
= 5.10 to 2 d places	A1	- 5.10 AI
5. A = 10t - 12 = 10 x 2 - 12 = 8 ms <sup>2</sup>	M1 M1 - A1	Sub of t = 2

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