

	Max Score	Notes for ChatGPT	ChatGPT-4o	Claude 3.5 Sonnet	Notes for Claude	
Subject 1						
1	5		5	5		
2	5		5	5		
3	5	Mixed up logarithm base and missed raising to power	0	2	Missed raising to the power of 2	
4	5	Missed square root sign	2	2	Missed square root sign	
5	5	Vector lengths calculated correctly, but tries to prove that angle B is the 90 degrees angle, instead of angle C as stated in the question	0	5	Solution guide uses negative reciprocal slope, but Claude instead uses Pythagorean theorem correctly	
6	5	Mixed up equation, incorrect results. Missed a division by 2, a multiplication factor of 3, and a raise to the power of 2	0	0	Mixed up equation, incorrect calculation. Added an extra raise to the power of 2, and a multiplication factor of 2, and also missed a raise to the power of 2	
Subject 2						
1a	5	Could not correctly read the matrices provided Determinant calculation is wrong	0	0	Could not correctly read the matrices provided Determinant calculation is wrong	
1b	5	Did not answer, but probably would be wrong as matrices were read incorrectly		0	Incorrect calculation, and also states that the value is too complex to determine in a limited time :)	
1c	5	Did not answer, but probably would be wrong as matrices were read incorrectly		1	States that determinant has to be 0, but cannot make the correct calculation, since the original matrices are wrong	
2a	5	Did not answer, but probably would be wrong as matrices were read incorrectly		0	Incorrectly applied the provided formula, moved a multiplication factor of 2 from one element of the summation to another, resulting in incorrect calculations	
2b	5	Did not answer, but probably would be wrong as matrices were read incorrectly		0	Incorrectly applied the provided formula, moved a multiplication factor of 2 from one element of the summation to another, resulting in incorrect calculations	
2c	5	Did not answer, but probably would be wrong as matrices were read incorrectly		0	Incorrectly applied the provided formula, moved a multiplication factor of 2 from one element of the summation to another, resulting in incorrect calculations	
Subject 3						
1a	5	Could not correctly read the provided function, missing a term from the denominator. Partial points awarded for using the correct derivation formula: quotient rule.	3	3	Could not correctly read the provided function, mixed up a multiplication factor. Partial points awarded for using the correct derivation formula: quotient rule.	
1b	5	Did not answer, but probably would be wrong as the initial function was read incorrectly		0	Arriving to the correct answer, but through incorrect calculations.	
1c	5	Did not answer, but probably would be wrong as the initial function was read incorrectly		0	Misinterpreted the questions, missed a multiplication factor. The solution provided is different from the solution guide, and it does not provide good reasoning	
2a	5	Did not answer, but probably would be wrong as the initial function was read incorrectly		5	The formatting is hard to follow, but correct.	
2b	5	Did not answer, but probably would be wrong as the initial function was read incorrectly		5	The formatting is hard to follow, but correct.	
2c	5	Did not answer, but probably would be wrong as the initial function was read incorrectly		0	Incorrectly read the provided formula, missing subtraction and switching multiplication for summation. States that the expression would require advanced integration techniques, which would be hard to do in limited time :	
Points given by default, for presenting to take the exam						
			10	10		
Total score	100		25	43	Points given by default, for presenting to take the exam	