

Rubric: Calculus Mini Exam

Total Points: 10 (5 per question)

Rubric Table

Part	Expected Answer	Points
Question 1: $f(x) = 4x^5 - 3x^3 + 2x - 7$		
Derivative of $4x^5$	$20x^4$	1
Derivative of $-3x^3$	$-9x^2$	1
Derivative of $2x$	2	1
Derivative of -7	0	1
Final Expression	$f'(x) = 20x^4 - 9x^2 + 2$	1
Question 2: $g(x) = 6x^4 + x^2 - 8x + 10$		
Derivative of $6x^4$	$24x^3$	1
Derivative of x^2	$2x$	1
Derivative of $-8x$	-8	1
Derivative of 10	0	1
Final Expression	$g'(x) = 24x^3 + 2x - 8$	1

Grading Notes:

- Deduct 0.5 for sign or simplification errors in any part.
- Award partial credit for each correctly derived term.
- Optionally give +1 bonus for clear step-by-step work with correct notation.