



Calculus Methods Checklist

Achievement

I can:

- Find the derivative of a function
- Evaluate the derivative at a given point
- Integrate a function to find an expression for the original function
- Solve problems involving rates of change
- Solve problems involving maximum and minimum values

Merit

I can

- Solve problems involving the derivative and integration that require combining multiple steps
- Justify solutions for maximum and minimum values using methods such as analyzing the graph, gradient, or second derivative

Excellence

I can:

- Solve complex multi-step problems involving derivatives and integrals
- Thoroughly justify solutions for maximum and minimum values, clearly explaining the reasoning
- Apply calculus methods to solve problems in various contexts, such as optimization, motion, and rates of change
- Demonstrate an extended chain of reasoning to solve calculus-based problems