1. Use the definition of a derivative to find the derivative of: .

Find the Derivatives:

1. Water drains from a full triangular prism tank at a rate of . The tank is 10 feet high, 8 feet wide, and is 18 feet long. How fast is the water level dropping when the height is 6 feet?
2. Find the equation of the tangent line to at .
3. T or F: If a function is continuous, then the function is differentiable at each point in the domain.
4. Use the definition of a derivative to find the derivative of: .

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