

1. Calculate the derivative

$$\frac{d}{dx} [(2x^3 - x)^{13}]$$

2. Calculate the derivative

$$\frac{d}{dx} [(x^4 + 3x^2)(\sqrt{x} + 1)]$$

3. Calculate the derivative

$$\frac{d}{dx} \left[\frac{1 - x^5}{x + 1} \right]$$

4. Calculate the derivative

$$\frac{d}{dx} \left[\left(1 + (1 + x)^2 \right)^2 \right]$$