Question

determine $f'(x)$ if $f(x) = (x^3 - 2x + 1)^5$

Solution

$f'(x) = 5(x^3 - 2x + 1)^4 \cdot (x^3 - 2x + 1)' = 5(x^3 - 2x + 1)^4 \cdot (3x^2 - 2);$

Answer: $5(x^3 - 2x + 1)^4 \cdot (3x^2 - 2).$