



UNIVERSITY OF THE PACIFIC
OFFICE OF THE CHANCELLOR

PROVINCIAL GOVERNMENT OF THE PACIFIC

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Angaben: Name: _____ Matrikelnummer: _____
 Fach: _____

Aufgabenstellung:

1. Gegeben sei die Funktion $f(x) = x^3 - 3x^2 + 2x - 1$.
 a) Berechnen Sie die Nullstellen von f .
 b) Skizzieren Sie den Graphen von f .
2. Gegeben sei die Funktion $f(x) = x^3 - 3x^2 + 2x - 1$.
 a) Berechnen Sie die Ableitung $f'(x)$.
 b) Bestimmen Sie die Extremwerte von f .
3. Gegeben sei die Funktion $f(x) = x^3 - 3x^2 + 2x - 1$.
 a) Berechnen Sie die Ableitung $f'(x)$.
 b) Bestimmen Sie die Extremwerte von f .

Beurteilung: Die Lösung der Aufgabe ist mit _____ Punkten bewertet.
 Die Gesamtpunktzahl beträgt _____ Punkte.

 Name

 Unterschrift

 Datum

