Chapitre Développement limité

I Formule de Touzhon-Tounez:

Plous pour tout $sc \in T$ om a:

Thiorime: $f(x) = f(a) + f'(a)(x-a) + f'(a)(x-a)^2 + f'(a)(x-$

Exemple

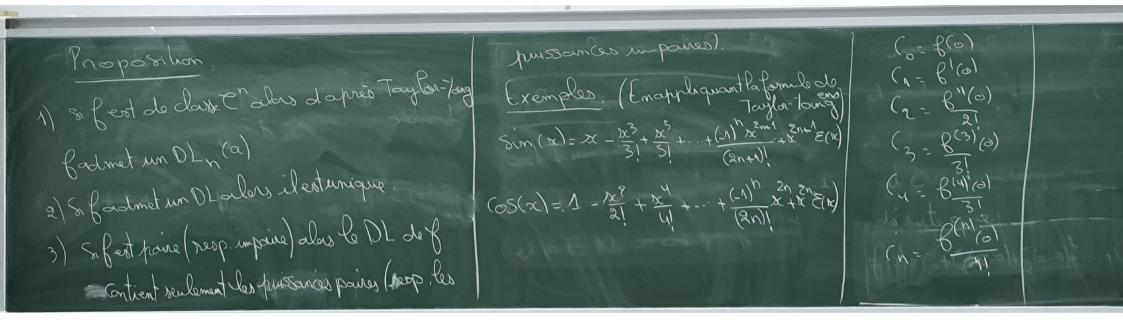
Si $f(x) = e^x$, enappliquant la formule

Definition

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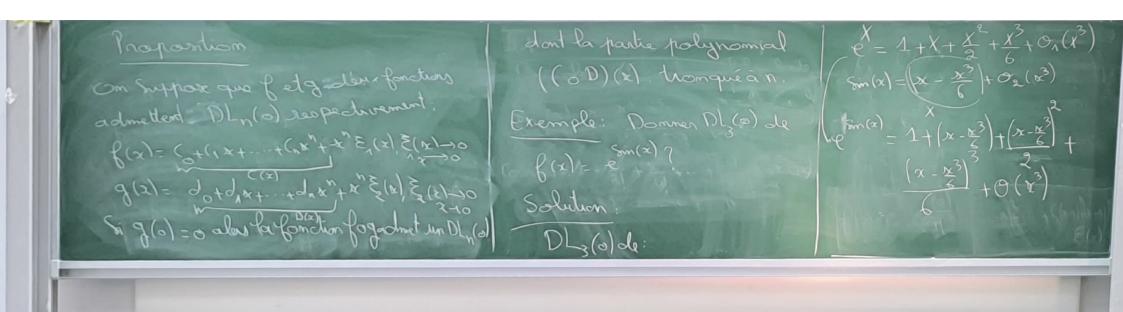
Soit I un intervalle ouverlie et E: I = R telque I = R and I = R and I = R telque I = R and I = R a

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Proposition

(a) for the following for the following form of the



$$\begin{cases}
(x - \frac{x^{3}}{3})^{\frac{3}{2}} = -\frac{1}{2}
\end{cases}$$

$$\begin{cases}
(x - \frac{x^{3}}{3})^{\frac$$