Exercice 1 : Dérivées des fonctions

$a(x) = 3x + 4$ $\quad b(x) = x^7 - x^3$ $\quad c(x) = 4x^3 + 2x^2 + 5x - 7$ $\quad d(x) = 17\sqrt{x} - 51x$

$e(x) = \frac{17}{x} + 5 - 2x$ $\quad f(t) = t^2\sqrt{t}$ $\quad g(t) = (3t+7)(5-4t)(3t)$ $\quad h(l) = (l^2 - 1)(l^2 + 1)$

$i(x) = \left(\frac{1}{x} + 4\right)(1 - x)$ $\quad j(x) = \frac{1}{3x+4}$ $\quad k(\mu) = 4x - \frac{7}{\mu^2+1}$ $\quad l(x) = \frac{1}{x} + \frac{1}{x+1} + \frac{1}{x+2}$

$m(x) = \frac{4x-6}{3x+4}$ $\quad n(x) = \frac{x-\sqrt{3}}{x+\sqrt{3}}$ $\quad o(n) = n^3 - \frac{n+4}{n^2+3n-4}$ $\quad p(x) = \frac{x^2-3x+2}{x^2+x+4}$

$q(r) = rrrrrrrrrrrrrrrrrrrrrr$ $\quad r(q) = q - \frac{1}{q+1}$ $\quad s(o) = \frac{o^3-o^2+o}{o+1}$

Exercice 2 : Fais les tableaux de variation des fonctions suivantes sur leurs domaines de définition.

$a(x) = x^2 + x - 2$ $\quad b(x) = x^3 - 3x + 2$ $\quad c(x) = 3x^2 - 6x + 4$

$d(x) = -2x^3 + \frac{7}{2}x^2 - 2x + 1$ $\quad e(x) = \frac{x-1}{2-x}$ $\quad f(x) = x - 2 - \frac{4}{x+1}$

$g(x) = x^4 + x^3 + 7x^2$ $\quad h(x) = 2x^4 - 8x^2 + 1$ $\quad i(x) = \frac{2x-5}{x-3}$ $\quad j(x) = 2x + 2 + \frac{3}{2x+1}$

Exercice 1 : Dérivées des fonctions

$a(x) = 3x + 4$ $\quad b(x) = x^7 - x^3$ $\quad c(x) = 4x^3 + 2x^2 + 5x - 7$ $\quad d(x) = 17\sqrt{x} - 51x$

$e(x) = \frac{17}{x} + 5 - 2x$ $\quad f(t) = t^2\sqrt{t}$ $\quad g(t) = (3t+7)(5-4t)(3t)$ $\quad h(l) = (l^2 - 1)(l^2 + 1)$

$i(x) = \left(\frac{1}{x} + 4\right)(1 - x)$ $\quad j(x) = \frac{1}{3x+4}$ $\quad k(\mu) = 4x - \frac{7}{\mu^2+1}$ $\quad l(x) = \frac{1}{x} + \frac{1}{x+1} + \frac{1}{x+2}$

$m(x) = \frac{4x-6}{3x+4}$ $\quad n(x) = \frac{x-\sqrt{3}}{x+\sqrt{3}}$ $\quad o(n) = n^3 - \frac{n+4}{n^2+3n-4}$ $\quad p(x) = \frac{x^2-3x+2}{x^2+x+4}$

$q(r) = rrrrrrrrrrrrrrrrrrrrrr$ $\quad r(q) = q - \frac{1}{q+1}$ $\quad s(o) = \frac{o^3-o^2+o}{o+1}$

Exercice 2 : Fais les tableaux de variation des fonctions suivantes sur leurs domaines de définition.

$a(x) = x^2 + x - 2$ $\quad b(x) = x^3 - 3x + 2$ $\quad c(x) = 3x^2 - 6x + 4$

$d(x) = -2x^3 + \frac{7}{2}x^2 - 2x + 1$ $\quad e(x) = \frac{x-1}{2-x}$ $\quad f(x) = x - 2 - \frac{4}{x+1}$

$g(x) = x^4 + x^3 + 7x^2$ $\quad h(x) = 2x^4 - 8x^2 + 1$ $\quad i(x) = \frac{2x-5}{x-3}$ $\quad j(x) = 2x + 2 + \frac{3}{2x+1}$

Exercice 1 : Dérivées des fonctions

$a(x) = 3x + 4$ $\quad b(x) = x^7 - x^3$ $\quad c(x) = 4x^3 + 2x^2 + 5x - 7$ $\quad d(x) = 17\sqrt{x} - 51x$

$e(x) = \frac{17}{x} + 5 - 2x$ $\quad f(t) = t^2\sqrt{t}$ $\quad g(t) = (3t+7)(5-4t)(3t)$ $\quad h(l) = (l^2 - 1)(l^2 + 1)$

$i(x) = \left(\frac{1}{x} + 4\right)(1 - x)$ $\quad j(x) = \frac{1}{3x+4}$ $\quad k(\mu) = 4x - \frac{7}{\mu^2+1}$ $\quad l(x) = \frac{1}{x} + \frac{1}{x+1} + \frac{1}{x+2}$

$m(x) = \frac{4x-6}{3x+4}$ $\quad n(x) = \frac{x-\sqrt{3}}{x+\sqrt{3}}$ $\quad o(n) = n^3 - \frac{n+4}{n^2+3n-4}$ $\quad p(x) = \frac{x^2-3x+2}{x^2+x+4}$

$q(r) = rrrrrrrrrrrrrrrrrrrrrr$ $\quad r(q) = q - \frac{1}{q+1}$ $\quad s(o) = \frac{o^3-o^2+o}{o+1}$

Exercice 2 : Fais les tableaux de variation des fonctions suivantes sur leurs domaines de définition.

$a(x) = x^2 + x - 2$ $\quad b(x) = x^3 - 3x + 2$ $\quad c(x) = 3x^2 - 6x + 4$

$d(x) = -2x^3 + \frac{7}{2}x^2 - 2x + 1$ $\quad e(x) = \frac{x-1}{2-x}$ $\quad f(x) = x - 2 - \frac{4}{x+1}$

$g(x) = x^4 + x^3 + 7x^2$ $\quad h(x) = 2x^4 - 8x^2 + 1$ $\quad i(x) = \frac{2x-5}{x-3}$ $\quad j(x) = 2x + 2 + \frac{3}{2x+1}$

Exercice 1 : Dérivées des fonctions

$a(x) = 3x + 4$ $\quad b(x) = x^7 - x^3$ $\quad c(x) = 4x^3 + 2x^2 + 5x - 7$ $\quad d(x) = 17\sqrt{x} - 51x$

$e(x) = \frac{17}{x} + 5 - 2x$ $\quad f(t) = t^2\sqrt{t}$ $\quad g(t) = (3t+7)(5-4t)(3t)$ $\quad h(l) = (l^2 - 1)(l^2 + 1)$

$i(x) = \left(\frac{1}{x} + 4\right)(1 - x)$ $\quad j(x) = \frac{1}{3x+4}$ $\quad k(\mu) = 4x - \frac{7}{\mu^2+1}$ $\quad l(x) = \frac{1}{x} + \frac{1}{x+1} + \frac{1}{x+2}$

$m(x) = \frac{4x-6}{3x+4}$ $\quad n(x) = \frac{x-\sqrt{3}}{x+\sqrt{3}}$ $\quad o(n) = n^3 - \frac{n+4}{n^2+3n-4}$ $\quad p(x) = \frac{x^2-3x+2}{x^2+x+4}$

$q(r) = rrrrrrrrrrrrrrrrrrrrrr$ $\quad r(q) = q - \frac{1}{q+1}$ $\quad s(o) = \frac{o^3-o^2+o}{o+1}$

Exercice 2 : Fais les tableaux de variation des fonctions suivantes sur leurs domaines de définition.

$a(x) = x^2 + x - 2$ $\quad b(x) = x^3 - 3x + 2$ $\quad c(x) = 3x^2 - 6x + 4$

$d(x) = -2x^3 + \frac{7}{2}x^2 - 2x + 1$ $\quad e(x) = \frac{x-1}{2-x}$ $\quad f(x) = x - 2 - \frac{4}{x+1}$

$g(x) = x^4 + x^3 + 7x^2$ $\quad h(x) = 2x^4 - 8x^2 + 1$ $\quad i(x) = \frac{2x-5}{x-3}$ $\quad j(x) = 2x + 2 + \frac{3}{2x+1}$