Exercice 1

Étudier les fonctions suivantes :

a) 
$$f(x) = 2\cos(x) - \cos(2x)$$

b) 
$$f(x) = \sin^2(x) - \sin(x)$$

c) 
$$f(x) = 2\cos^3(x) - 3$$

$$d) f(x) = \frac{\sin(x)}{\cos(2x)}$$

e) 
$$f(x) = \frac{\tan(2x)}{\tan^2(x)}$$

d) 
$$f(x) = \frac{\sin(x)}{\cos(2x)}$$
f) 
$$f(x) = \frac{2}{\sqrt{1 - 2\sin^2(x)}}$$