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## Quiz 12 & 13

### 0.1 Problem 1

Find the derivative of:

$$y = \frac{1 + \sin x}{x + \cos x}$$

### 0.2 Problem 2

$$x(t) = \frac{t}{1 + t^2}$$

Find  $x'(t)$  and  $x''(t)$ .