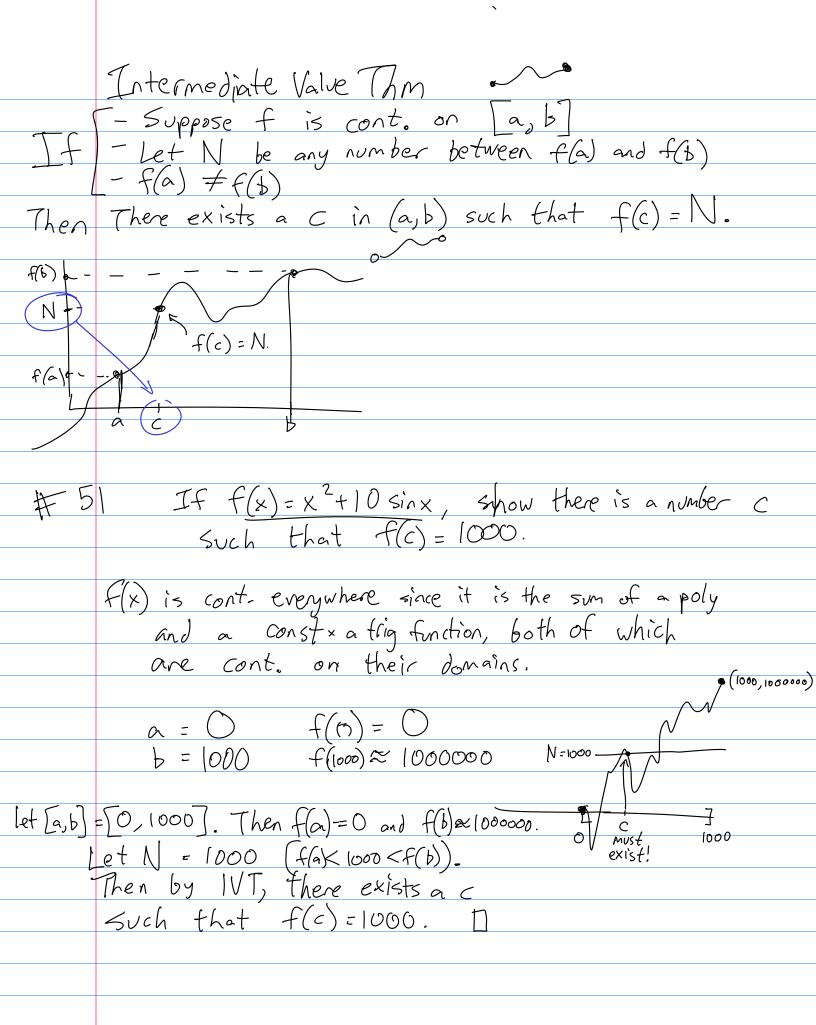
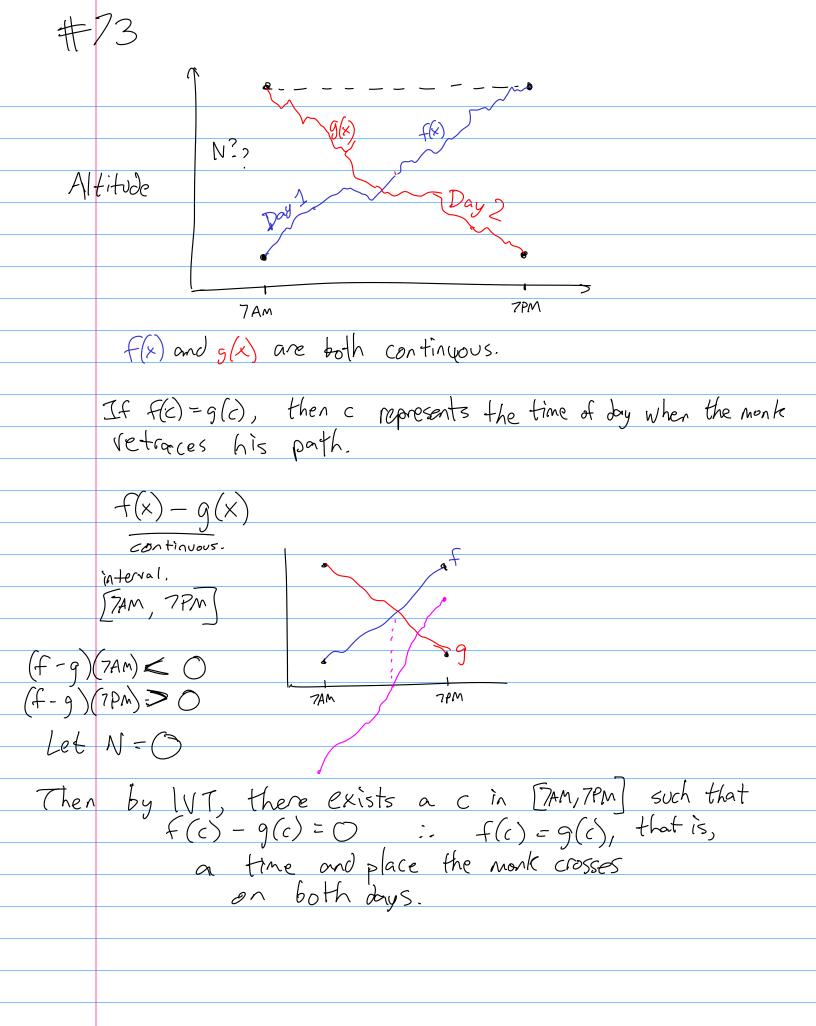


# 18 
$$\frac{\text{cont at } \times = -2?}{\left(\frac{1}{x+2}\right)}$$
 $f(x) = \begin{cases} \frac{1}{x+2} & \text{if } x \neq -2 \\ 1 & \text{if } x = -2 \end{cases}$ 
 $f(x) = \begin{cases} \frac{1}{x+2} & \text{if } x \neq 1 \\ \frac{1}{2} & \text{if } x = 1 \end{cases}$ 
 $f(x) = \begin{cases} \frac{1-x}{x^2-1} & \text{if } x \neq 1 \\ \frac{1}{2} & \text{if } x = 1 \end{cases}$ 
 $f(x) = \begin{cases} \frac{1-x}{x^2-1} & \text{if } x \neq 1 \\ \frac{1}{2} & \text{if } x = 1 \end{cases}$ 
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 $f(x) = \begin{cases} \frac{1-x}{x^2-1} &$ 

root





f(x) = { o if x is rational

Where is f Continuous?

The limf(x) = DNE?

Since we can find sequences which evaluate to 1

Continuous Nowhere!