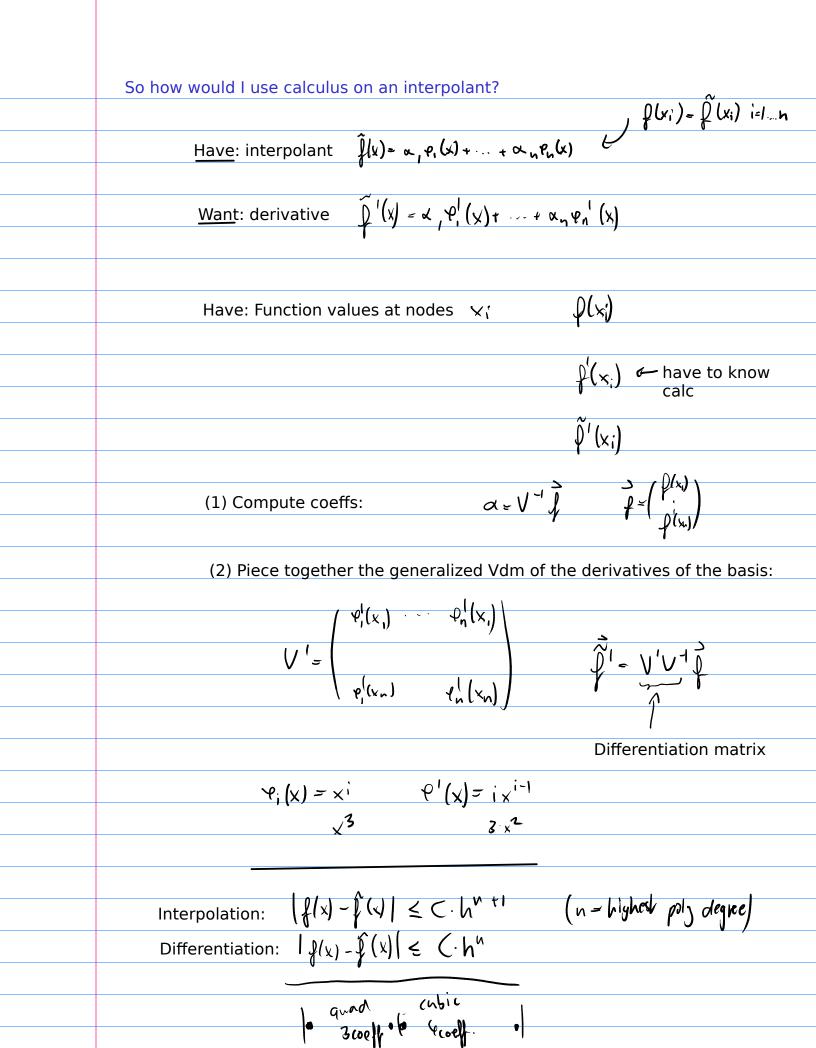
What are some choices of interpolation basis? (cont'd) (3) Sines and cosines ("Fourier basis") sinfex (05(0 x) si' (1x) cos(1x) \longrightarrow What's the basis? What to use as points? equispaced points between [0, 2pi] [0,7,0] without the point 2pi



 $0! = E(h) = C \cdot h^{n} \qquad n = 3$ $= \mathcal{E}(h_2) = \mathcal{C}(\underline{h})^{h} = \mathcal{C}\cdot\underline{h}^{h}\cdot(\underline{1})^{h} = \mathcal{E}(h)\cdot(\underline{1})^{h}$ 0.125 - 1 0.1