



$$y = \sin(x)$$

$$(\cos(x))$$

for  $i = 0 : \text{end}$ :

$$\bar{y}(a) = \sin(a) = 0$$

$$e = \bar{y} - y_{\text{int}}$$

find  $\min(e)$

→ play song

$\bar{y}$  = predicted/  
desired

$y$  = real/available

$e$  = "error"

probably need  
rule to make sure headed in  
right direction ( $\uparrow$  or  $\downarrow$ )  
- probably numerical deriv.  
check