

GRTR-2 Graphing Sine and Cosine Functions

(Complete all parts for M, complete sketch of graph for P) Given $f(x) = \cos\left(\frac{\pi x}{3} + \frac{\pi}{4}\right)$

- a) State the amplitude
- b) State the period
- c) State the phase shift
- d) State the vertical shift
- e) State the max and min values
- f) Sketch the graph on the interval $[0, 2\pi]$