GRTR-3 Graphing Other Trigonometric Functions

(Complete all parts for M, complete sketch of graph for P) Given $f(x) = \dfrac{1}{2} \csc \left(x + \dfrac{\pi}{6} \right)$

a) State the amplitude

d) State the vertical shift

b) State the period

c) State the phase shift

e) State the asymptotes

f) Sketch the graph on the interval $[0, pi]$