Problem 3.1

(a) The plot should be a stem plot showing the following nonzero terms:

(b) \[ y(t) = 2 + 3 \cos (880 \pi t) - \sin (680 \pi t) \]

Problem 3.2

(a) The plot should be a stem plot showing the following nonzero terms:

(b) \[ y(t) = 2 + 3 \cos (1020 \pi t) - \sin (940 \pi t) \]