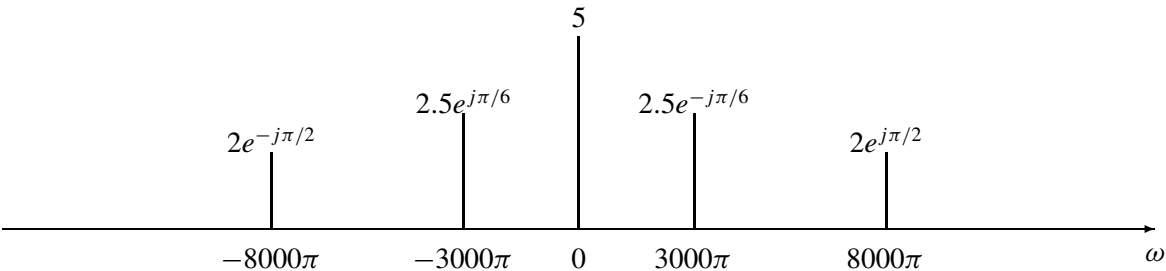## PROBLEM:

A real signal $x(t)$ has the following two-sided spectrum:

(a) Write an equation for $x(t)$ as a sum of cosines.

(b) Plot the spectrum of the signal $y(t) = 2x(t) - 3\cos(5000\pi(t - 0.002))$.