3.28 Compute the generalized Fourier transform of the following signals:

(b)
$$x(t) = 1 + 2e^{-j2\pi t} + 2e^{j2\pi t}, -\infty < t < \infty$$

b) Per Table 3.2

and using linearity property ax(t) => aX(w)

$$X(\omega) = 2\pi f(\omega) + 4\pi f(\omega + 2\pi) + 4\pi f(\omega - 2\pi)$$