Engineering Mathematics

Homework 8

1.
$$Find: \mathcal{L}^{-1}\left\{\frac{(1+e^{-2s})^2}{s+2}\right\}$$

2. Find:
$$\mathcal{L}^{-1}\left\{\frac{s+2}{s^2+4s+13}\right\}$$

3.
$$f(t) = t^2 + 3t + 2$$
, find $\mathcal{L}\lbrace f(t)H(t-2)\rbrace$