

Date
29/08/2017
(Wednesday)

Quiz 1

Find
Q1)

$$\mathcal{L}^{-1} \left\{ \frac{s^{1/2} + s^{5/3}}{s^2 + 4s + 6} \right\}.$$

Q2) Evaluate $\mathcal{L} \left\{ \int_0^t e^{\tau} \sin(t-\tau) d\tau \right\}$
by the Convolution Theorem.

Q3) Solve
$$f(t) = 3t^2 - e^{-t} - \int_0^t f(\tau) e^{t-\tau} d\tau$$

for $f(t)$.

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