

Quiz 4

1. Solve

$$y'' + 4y = \sin t - u_2(t) \sin(t - 2\pi)$$
$$y(0) = y'(0) = 0$$

2. Solve

$$y'' + 4y = \delta(t - \pi) - \delta(t - 2\pi)$$
$$y(0) = y'(0) = 0$$