Math 54: Quiz #8

April 20

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Name: _____

Please give neat and organized answers. Whenever applicable (especially for computational questions), make it clear what strategy you are using.

Problem 1

Find the general solution of

$$y''(t) - y'(t) - 6y(t) = 0.$$

Problem 2

Find the general solution of

$$y''(t) - y'(t) - 6y(t) = \cos(t) + e^t.$$

(Use the superposition principle.)