

Differential Equations Overview (12/7/21)

Q1 [Practice/E]

Find the general solution of the differential equation

$$\frac{d^2y}{dx^2} - 6\frac{dy}{dx} + 9y = \cos 2x$$

Q2 [Practice/E]

Solve $\sin x \frac{dy}{dx} + \sec x \cdot y = \cos x$