1. Use LaPlace tranform techniques to find the solution, y(t), to the following I.V.P.:

 $y' + 3y = \cos 6t, \quad y(0) = 0$ 

1. Use LaPlace tranform techniques to find the solution, y(t), to the following I.V.P.:

 $y' + 3y = \sin 6t, \quad y(0) = 0$ 

1. Use LaPlace tranform techniques to find the solution, y(t), to the following I.V.P.:

 $y' + 2y = \sin 4t, \quad y(0) = 0$ 

1. Use LaPlace tranform techniques to find the solution, y(t), to the following I.V.P.:

 $y' + 2y = \cos 4t, \quad y(0) = 0$ 

1. Use LaPlace tranform techniques to find the solution, y(t), to the following I.V.P.:

 $y' + 4y = \cos 8t, \quad y(0) = 0$