

nate

Particular Solution:

$$W(5) = 2[1] = 2 \neq 0$$

$$4(t) = -\frac{\sin 2t}{2} = -\frac{1}{2} \left(\frac{\sin 2t}{x^2} \right) = \frac{-1}{2} \left(\frac$$

$$8 = 4 \pm \sqrt{36} = 4 \pm 6 = \chi(2 \pm 3)$$

$$\chi_1 = 2+3, \quad \chi_2 = 2-3$$

$$x_1 = 5$$
, $x_2 = -1$

$$\frac{4}{3} = \frac{2}{3} \left\{ \frac{3t}{5 \cdot 0 \cdot 3t} - \frac{2}{5 \cdot 0 \cdot 3t} \right\}$$

$$l_2 = -\frac{1}{3} \left[e^{3t} \left(\sin 3t + (os 3t) \right) \right]$$

$$\frac{4}{9}(4) = \frac{1}{9} \left[\frac{1}{9} \left[\frac{1}{9} \left(\frac{1}{9}$$

$$11 = \frac{2}{9}e^{2t} \left[\sin 3t - \cos 3t - \sin 3t - \cos 3t \right]$$