b) 
$$\frac{1}{9}$$
  $\frac{1}{9}$   $\frac$ 

const: 
$$ix = \frac{g_1 - g_2}{4} = 0$$
  $g_1 = 4ix + g_2$ 

$$\Rightarrow 3i_{X} - 50_{2} = 0 \quad \begin{cases} -36v_{2} = -12 \\ -24i_{X} + 4v_{2} = -12 \end{cases} \Rightarrow 0_{2} = \frac{1}{3}$$

$$\Rightarrow R_{Th} = \frac{v_2}{1} = \frac{1}{3} \Omega$$

() 
$$\frac{A}{3} + \frac{6}{1} + \frac{6}{1} + \frac{6}{1} = 0$$

$$\Rightarrow -30 + 6 = 3$$

$$0 = \frac{11 + 3\sqrt{5}}{2} = (0 - 4)^2 = \left(\frac{3\sqrt{5} + 3}{2}\right)^2 = \frac{54 + 18\sqrt{5}}{4} = \frac{27 + 9\sqrt{5}}{2}$$