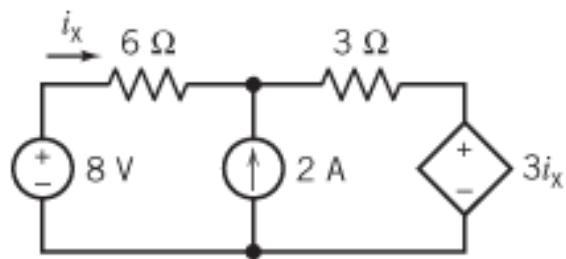
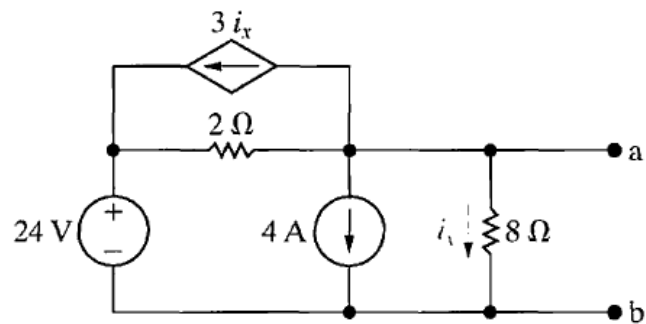


1-P 5.3-8: Use superposition to find the value of the current  $i_x$

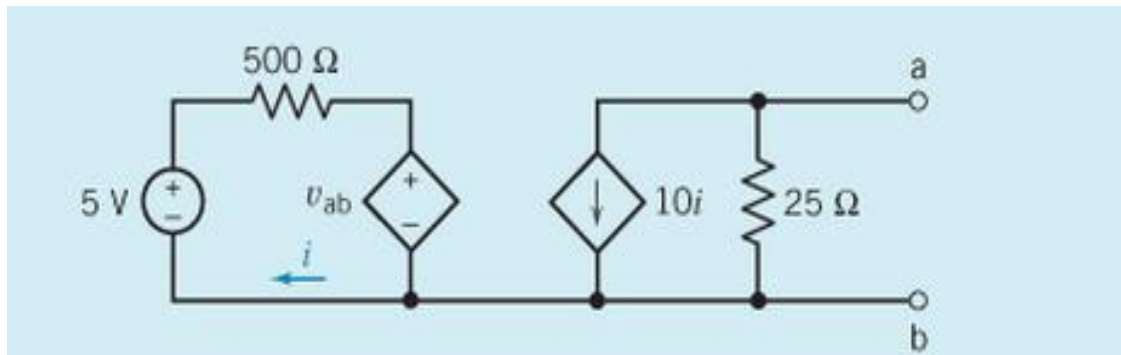


Answer:  $i_x = 1/6$  A

2- Find the Thevenin equivalent circuit with respect to the terminals a,b for the circuit shown



3-EX 5.5-3: Find the Norton equivalent circuit at terminals a-b



$$P_{\max} = \frac{V^2}{4R_{th}} = \frac{i^2 R_{th}}{4}$$

4-P 5.6-5: Find the maximum power to the load  $R_L$  if the maximum power transfer condition is met

