



- 1) What is the relationship between the magnitudes of the currents  $I_x$  and  $I_y$ ? [4]
  - a)  $|I_x| > |I_y|$                       b)  $|I_x| = |I_y|$                       c)  $|I_x| < |I_y|$
- 2) What is the current  $I_2$  through resistor  $R_2$ ? (A positive value means current flows in the direction of the arrow on the diagram.) [5]
- 3) What is the voltage difference  $V_{\mathbf{A}} - V_{\mathbf{B}}$  between points **A** and **B**? [5]
- 4) What is the current  $I_y$ ? (A positive value means current flows in the direction of the arrow on the diagram.) [6]