

Use Kirchoff's laws to write two loop equations for currents  $I_1$  and  $I_2$ .

- (a) Solve these for currents  $I_1$  and  $I_2$ .
- (b) Find the current through and the voltage across the  $10\Omega$  resistor.
- (c) Calculate the current through and voltage across the  $2\Omega$  resistor.