

Adding vectors

Find the resultant and direction for the following:

1. $15 \text{ Amps@ } 0^\circ + 10 \text{ amps@ } 120^\circ =$

2. $120 \text{ Volts@ } 0^\circ + 240 \text{ Volts@ } 60^\circ =$

3. $30 \text{ Amps@ } 0^\circ + 20 \text{ Amps@ } 240^\circ =$

Adding vectors

Find the resultant and direction for the following:

1. $15 \text{ Amps@ } 0^\circ + 10 \text{ amps@ } 120^\circ = \mathbf{13.2 \text{ Amps@ } 40.9^\circ}$

2. $120 \text{ Volts@ } 0^\circ + 240 \text{ Volts@ } 60^\circ = \mathbf{317.5@ } 40.9^\circ$

3. $30 \text{ Amps@ } 0^\circ + 20 \text{ Amps@ } 240^\circ = \mathbf{26.4@ } 319^\circ \text{ (or } -41^\circ)$