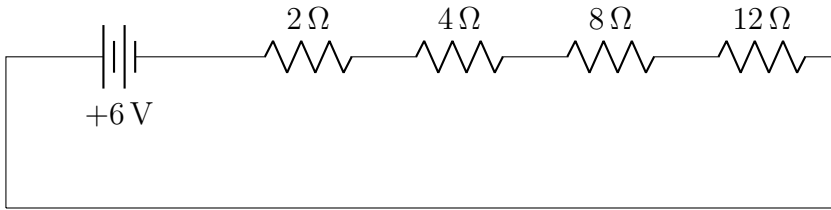**Task #1**

Find the current going through the battery in each of the circuits below:

(a)

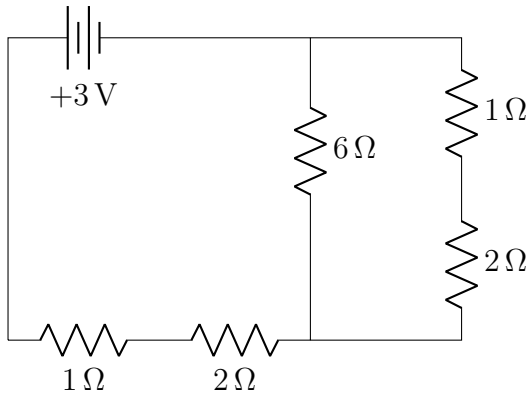$2\,\Omega$ $4\,\Omega$ $8\,\Omega$ $12\,\Omega$

$+6\,\text{V}$

(b)

$+6\,\text{V}$

$2\,\Omega$ $4\,\Omega$ $8\,\Omega$ $12\,\Omega$
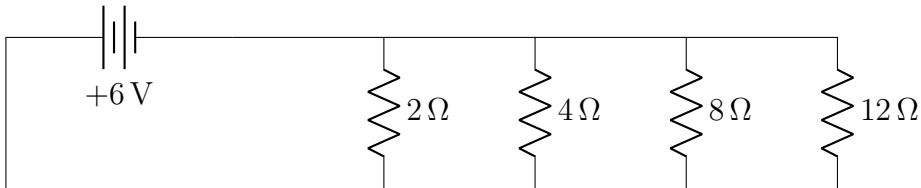
Task #2

Find the current going through the battery in the circuit below.

$+3\,\text{V}$

$6\,\Omega$

$1\,\Omega$

$2\,\Omega$

$1\,\Omega$ $2\,\Omega$

Task #3

Find the current going through the battery in the circuit below.

$50\,\Omega$ $10\,\Omega$

$+60\,\text{V}$ $40\,\Omega$ $30\,\Omega$ $20\,\Omega$
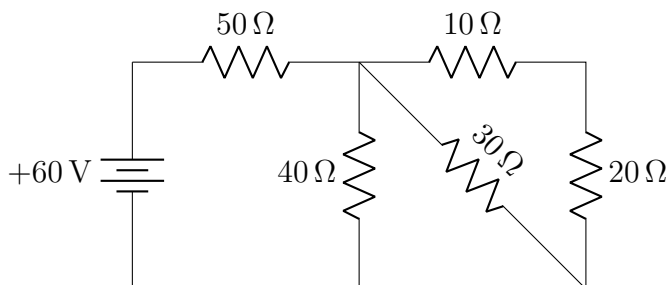
Task #1
(a) $R_{eq} = 26$ ohm; $I = 0.221$ Amps.
(b) $R_{eq} = \frac{24}{23} = 1.04$ ohm; $I = 5.75$ Amps.

Task #2
$R_{eq} = 5$ ohm; $I = 0.6$ Amps.

Task #3
$R = 60.9$ ohm; $I = 0.99$ Amps.