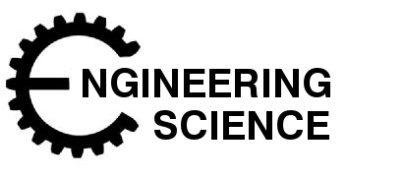
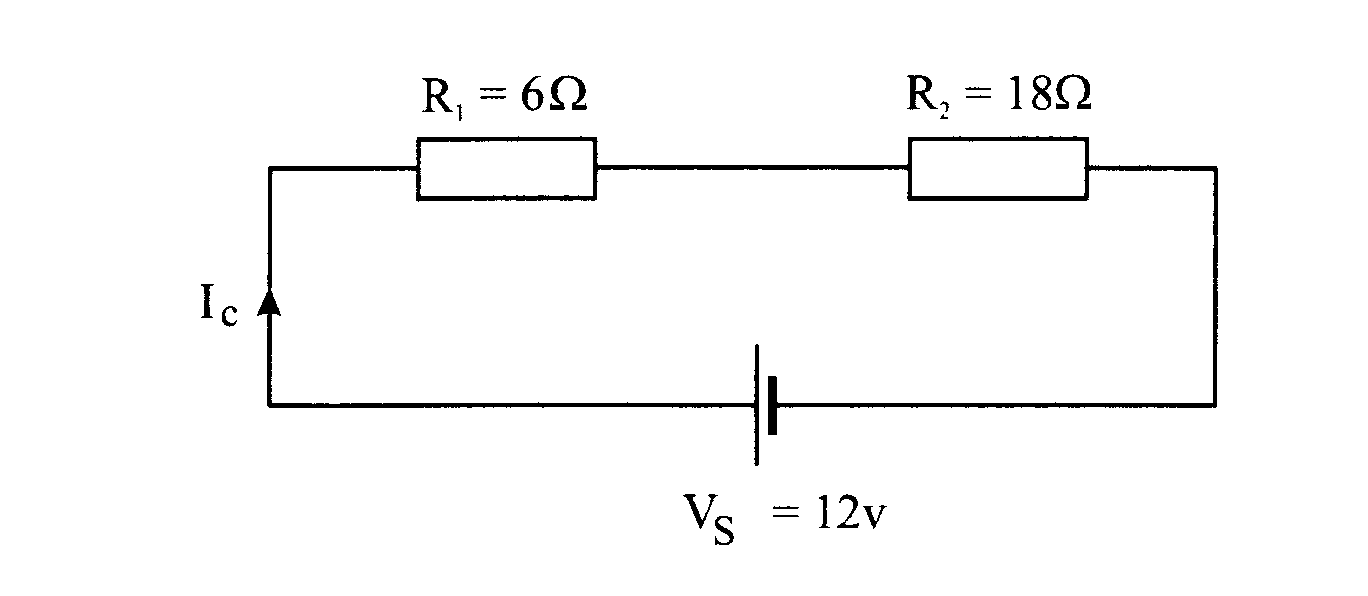
**St. Machar Academy**

**Homework 7**

**Calculating Resistance Values**

When resistors are connected in series you just add the resistance together.



R1

R2

**R total = R1 + R**

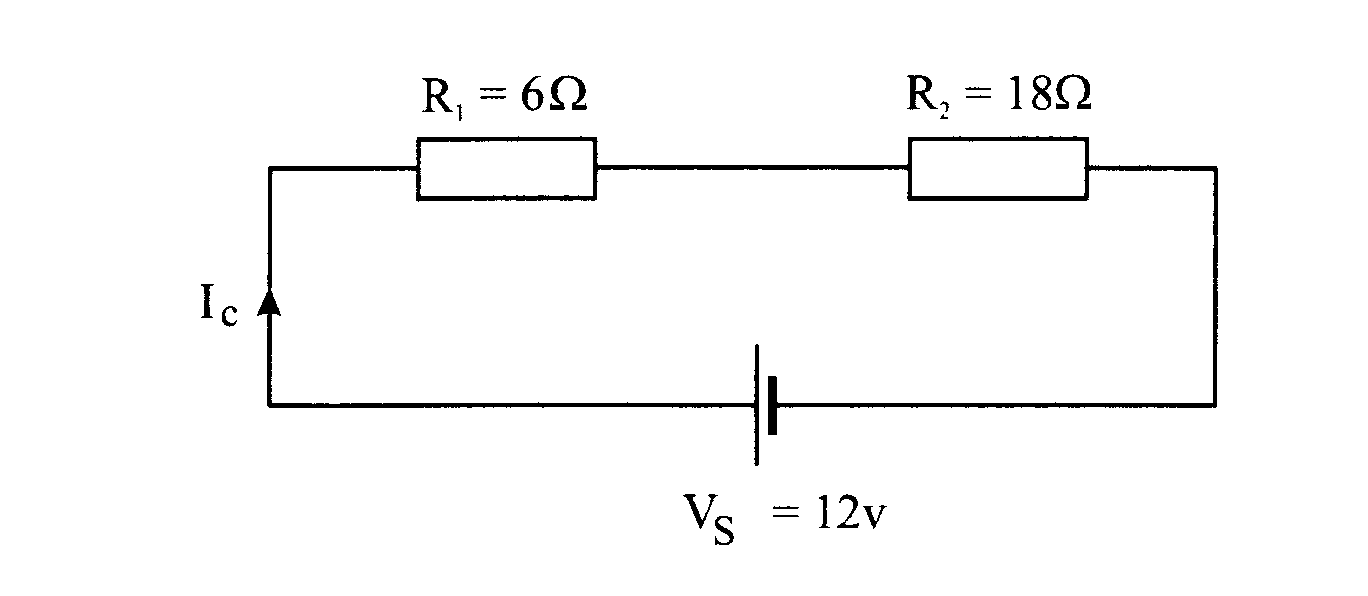
When resistors are connected in parallel you can use the formula shown below.

**R1**

**R2**

Rt = R1 x R2

R1 + R2

Calculate the total resistance of each circuit

**R1=17Ω**

**R2= 20Ω**

RT=

RT=