Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:

Grade 11 Current Electricity CIRCUIT ANALYSIS 01

Solve for all missing variables and complete the tables.

1.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  |  |  | | --- | --- | --- | --- | | Name | V (V) | I (A) | R (Ω) | | R1 |  |  |  | | R2 |  |  |  | | R3 |  |  |  | | Total, RT |  |  |  | |

2.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  |  |  | | --- | --- | --- | --- | | Name | V (V) | I (A) | R (Ω) | | R1 |  |  |  | | R2 |  |  |  | | Total, RT |  |  |  | |

3.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | V (V) | I (A) | R (Ω) |
| R1 |  |  |  |
| R2 |  |  |  |
| R3 |  |  |  |
| RT |  |  |  |



4.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | V (V) | I (A) | R (Ω) |
| R1 |  |  |  |
| R2 |  |  |  |
| Total, RT |  |  |  |



5.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | V (V) | I (A) | R (Ω) |
| R1 |  |  |  |
| R2 |  |  |  |
| Total, RT |  |  |  |



6.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | V (V) | I (A) | R (Ω) |
| R1 |  |  |  |
| R2 |  |  |  |
| R3 |  |  |  |
| RT |  |  |  |



7.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | V (V) | I (A) | R (Ω) |
| R1 |  |  |  |
| R2 |  |  |  |
| R3 |  |  |  |
| R4 |  |  |  |
| R5 |  |  |  |
| RT |  |  |  |



R5 = 3.2Ω

|  |  |  |  |
| --- | --- | --- | --- |
| Name | V (V) | I (A) | R (Ω) |
| R1 |  |  |  |
| R2 |  |  |  |
| R3 |  |  |  |
| R4 |  |  |  |
| R5 |  |  |  |
| R6 |  |  |  |
| R7 |  |  |  |
| RT |  |  |  |

8.

