Technical Education

Name:

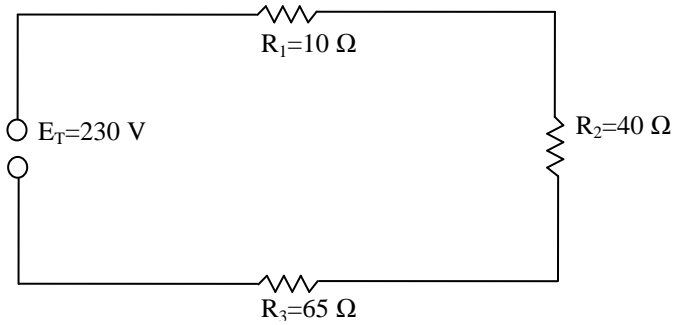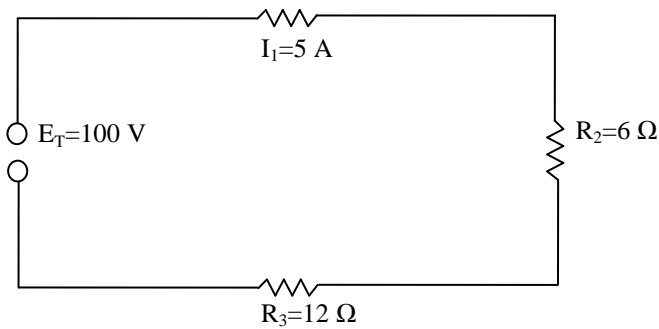Western Technical-Commercial School   Date: Section

Series Circuit Problems

Show order of operations, formulas, substitution, units, and all rough work calculations using appropriate units of measure, 2 decimal places, with all answers circled. Half mark for the correct answer, the other half for all work shown. **Bonus mark** for properly & correctly double-checking, using a formula not yet used.

$R_1 = 10 \ \Omega$

$E_T = 230 \ V$

$R_2 = 40 \ \Omega$

$R_3 = 65 \ \Omega$

Ohms Law	Series/Parallel laws			
	L_1	L_2	L_3	L_T
E v				
I A				
R Ω				
P w				

/6

$I_1 = 5 \ A$

$E_T = 100 \ V$

$R_2 = 6 \ \Omega$

$R_3 = 12 \ \Omega$

Ohms Law	Series/Parallel laws			
	L_1	L_2	L_3	L_T
E v				
I A				
R Ω				
P w				

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