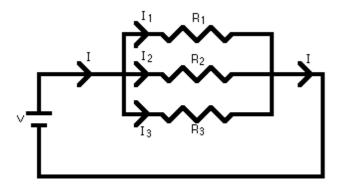
Lab 5

Due No due	date				
Points 100					
	he progran	n will read tv		lays the area of a rectangle and an ellipse whose as: a and b . Then, it will calculate two area values (
	•		les are a and b . and minor axis	lengths are a and b respectively.	
Lastly, your progr	ram will nr	int the result	ing area values t	to the console as seen in the examples.	
3, , 1 - 3	rain wiii pi	inte tino roodie	g a. ca ra.acc	o the console as seen in the examples.	
NOTE: The area	a of a recta a of an ellip	angle whose	sides are a and	·	
NOTE: The area	a of a recta a of an ellip	angle whose	sides are a and	b: Area = a*b	65 3
NOTE: The area NOTE: The area NOTE: Take Plas Input 4 6 The area	a of a recta a of an ellip as 3.14 'ea of th	angle whose mose whose m	sides are a and najor and minor a	b: Area = a*b axis lengths are a and b: Area = PI * a *b	The area
NOTE: The area NOTE: The area NOTE: Take Plas Input 4 6 The area	a of a recta a of an ellip as 3.14 'ea of th	angle whose mose whose m	sides are a and najor and minor a	b: Area = a*b axis lengths are a and b: Area = PI * a *b 9 12 The area of the rectangle is 108	The area
NOTE: The area NOTE: The area NOTE: Take Plas Input 4 6 Output The area The area NOTE: Take Plas Output University The area of the area	a of a recta a of an ellip as 3.14 rea of the	angle whose mose whose me rectange ellipse	sides are a and lajor and minor a gle is 24 is 75.360000	b: Area = a*b axis lengths are a and b: Area = PI * a *b 9 12 The area of the rectangle is 108	The area 7 The are 8 The are
NOTE: The area NOTE: The area NOTE: Take Plas Input 4 6 Output The area The area NOTE: Take Plas Output University The area of the area	a of a recta a of an ellip as 3.14 rea of the re of the	angle whose mose whose me rectange ellipse	sides are a and lajor and minor a gle is 24 is 75.360000	b: Area = a*b axis lengths are a and b: Area = PI * a *b 9 12 The area of the rectangle is 108 The are of the ellipse is 339.12000 CASE letter (i.e., 'B', 'H') and tells the index of the	The area 7 The are 8 The are

Question 3. Write a program that calculates the currents on three parallel branches in the circuit show below.



The program will read the input voltage, V, and the three resistance values, R_{1R1} , R_{2R2} , and R_{3R3} all as double values. Then, it will calculate the currents passing through each branch, I_{1l1} , I_{2l2} , and I_{3l3} as double values and prints them to the console.

HINT: Ohm's Law: V = I * R

(This law applies to all circuits and also all branches individually.)

HINT: Due to Ohm's Law, the voltage passing through each branch is the same and equal to V.

NOTE: All of the inputs will be positive values.

Input	21	13	5
	4 7 8	3 6 12	2 8 2
Output	5.250000 3.000000 2.625000	4.333333 2.166667 1.083333	2.500000 0.625000 2.500000
