1. Capacitor Charging Function 1: Voltage after a given time

	Area	Expectation	✓ = 1 pt
1	Lay out	Problem clearly laid out in a logical order. Including:	
		1. Flow Chart, 2. Hand test calculations 3. Code 4. Validation	
2	, t	Flow Chart is used to show Program Steps	
3	Flow Chart	Flow Chart is complete & accurate.	
	H O	Properly and clearly formatted, easy to read	
4	Program Code	Code for a function provided with comments including useful help	
		response, comments listing variables & units, and program logic	
5		.m file included can run	
6		Code includes some correct elements	
7		Code logic is largely correct calculations	
8		Code is completely correct	
9	n	Program execution provided showing	
	atio	match to known correct results	
10	Validation	Includes required test case	
		Includes complete and accurate Table 1.	

2. Capacitor Charging Function 2: Time to charge a given voltage

	Area	Expectation	✓ = 1 pt
1	Worksheet – Set up and Flowchart	Problem clearly laid out using Program Development Worksheet	
		Goal of program presented, Inputs & Outputs for program listed (1-3)	
2		Flow Chart is used to show Program Steps (4)	
3		Flow Chart is complete & accurate.	
		Properly and clearly formatted (4)	
4		Code for a Function Provided with comments including useful help	
		response, comments listing variables & units, and program logic	
5	Program Code	.m file included can run	
6		Code includes some correct elements	
7		Code logic is essentially correct	
8		Code is completely correct	
9	Validation	Program execution provided showing match to known correct results Includes required test case	