For Capacitor set # 1

$$C_1 \approx C_2 < C$$

Table 1				
Given Values:	V_B: 6.24 V	C (known): 4.16 µF		
Lab Manual Section	**Capacitor**	**V (volts)**		
5 a	C_1	5.29	5.18	5.13
5 a	C_2	5.15	5.33	5.31
5 b	Parallel	4.61	4.67	4.50
5 b	Series	5.83	5.68	5.58

Table 2 For Lab Manual Section 5 c			
Trial	V_o **(V)**	$t_{1/2}$ **(s)**	**C (µF)**
1	6.20	28.7	4.16
2	6.21	32.5	4.16
3	6.22	33.0	4.16

Table 3 For Lab Manual Section 5 c													
V (V)	6.2	5.4	4.8	4.4	4.0	3.7	3.3	3.1	2.9	2.7	(missed)	2.3	2.2
t (s)	0.00	5.	10.	15.	20.	25.	30.	35.	40.	45.	50.	55.	60.

For Capacitor set # 2

$$C_1 \approx C_2 < C$$

Table 1				
Given Values:	V_B: 6.23 V	C (known): 4.04 µF		
Lab Manual Section	**Capacitor**	**V (volts)**		
5 a	C_1	5.04	5.00	5.01
5 a	C_2	5.04	5.01	5.07
5 b	Parallel	4.26	4.20	4.20
5 b	Series	5.53	5.57	5.57

Table 2 For Lab Manual Section 5 c			
Trial	**V_o (V)**	**$t_{1/2}$ (s)**	**C (µF)**
1	6.22	27.9	4.04
2	6.22	28.0	4.04
3	6.21	28.0	4.04

Table 3 For Lab Manual Section 5 c													
V (V)	6.2	4.7	3.7	2.9	2.3	1.8	1.5						
t (s)	0.00	10.	20.	30.	40.	50.	60.						

For Capacitor set # 3

$$C_2 < C_1 < C$$

Table 1		
Given Values:	V_B: 6.23 V	C (known): 3.88 µF

Lab Manual Section	Capacitor	V (volts)		
5 a	C_1	4.14	4.07	4.04
5 a	C_2	4.99	4.93	4.92
5 b	Parallel	3.28	3.39	3.44
5 b	Series	5.23	5.21	5.25

Table 2
For Lab Manual Section 5 c

Trial	V_o (V)	$t_{1/2}$ (s)	C (µF)
1	6.22	26.0	3.88
2	6.21	26.2	3.88
3	6.21	27.3	3.88

Table 3
For Lab Manual Section 5 c

V (V)	6.2	4.8	3.6	2.8	2.2	1.7	1.3						
t (s)	0.00	10.	20.	30.	40.	50.	60.						

For Capacitor set # 4

$$C_2 < C_1 < C$$

Table 1				
Given Values:	V_B: 6.24 V	C (known): 4.29 µF		
Lab Manual Section	**Capacitor**	**V (volts)**		
5 a	C_1	4.23	4.19	4.21
5 a	C_2	4.99	4.97	5.01
5 b	Parallel	3.69	3.69	3.66
5 b	Series	5.28	5.33	5.44

Table 2 For Lab Manual Section 5 c			
Trial	**V_o (V)**	**$t_{1/2}$ (s)**	**C (µF)**
1	6.21	29.6	4.29
2	6.22	29.9	4.29
3	6.21	29.6	4.29

Table 3 For Lab Manual Section 5 c													
V (V)	6.21	4.8	4.3	3.8	3.0	2.4	1.9	1.5					
t (s)	0.00	10.	15.	20.	30.	40.	50.	60.					

For Capacitor set # 5

$$C \approx C_1 > C_2$$

Table 1				
Given Values:	V_B: 6.23 V	C (known): 4.16 µF		
Lab Manual Section	**Capacitor**	**V (volts)**		
5 a	C_1	2.98	3.06	3.10
5 a	C_2	5.10	5.03	5.08
5 b	Parallel	2.75	2.72	2.74
5 b	Series	5.20	5.30	5.30

Table 2 For Lab Manual Section 5 c			
Trial	**V_o (V)**	**$t_{1/2}$ (s)**	**C (µF)**
1	6.21	28.9	4.16
2	6.21	29.1	4.16
3	6.22	29.0	4.16

Table 3 For Lab Manual Section 5 c													
V (V)	6.5	5.3	4.8	4.2	3.9	(missed)	3.0	2.6	2.3	2.1	1.9	1.7	1.5
t (s)	0.00	5.	10.	15.	20.	25.	30.	35.	40.	45.	50.	55.	60.