PHYSICS 535/3&4 PRACTICE TABLES

COMPLETE THE FOLLOWING TABLES BY FILLING ALL MISSING QUANTITIES OR UNITS OR VALUES.

Table 1

l (cm)	θ (°)	α (°)	sin θ	log l	cos α	tan θ
10.0	6	20				
20.0	10	30				
30.0	12	40				
40.0	22	50				
50.0	37	60				
60.0	42	70				

Table 2

x (m)	i (°)	sin i	tan i	x sin i
0.10	10			
0.15	20			
0.20	30			
0.25	40			
0.30	50			
0.35	60			

Table 3 (Take f = 0.200m)

y (m)	x (cm)	x (m)	fx	$\dfrac{x}{y}$	$\dfrac{fx}{y}$
0.05	25.1				
0.10	30.0				
0.15	37.0				
0.20	44.0				
0.25	52.2				
0.30	61.0				

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Table 4

U (cm)	V (cm)	(U + V)	(V – U)
5.0	89.5		
10.0	78.2		
15.0	66.5		
20.0	52.8		
25.0	47.3		
30.0	30.7		

Table 5

x (cm)	V (v)	I (A)	$\dfrac{1}{x}$	$\dfrac{V}{I}$
10	0.50	0.40		
15	0.60	0.36		
20	0.70	0.32		
25	0.80	0.28		
30	0.90	0.24		
42	1.00	0.20		

Tables 6 (where *t* is time for 20 oscillations)

m (kg)	t (s)	T	$\dfrac{1}{T}$
0.100	27.00		
0.200	30.00		
0.300	33.00		
0.400	36.00		
0.500	38.00		
0.600	40.00		

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