Part 1			
x0 = 7.86111, y0 = 0.0197826 x1 = 1.10417, y1 = 0.0184783			
dx = -6.75694, dy = -0.00130435			
dy/dx = 0.000193038 dx/dy = 5180.32			
x0	7.86111	x1	1.10417
y0	0.0197826	y1	0.0184783
m	0.000193038		
V_A	-71.154		
Alpha			
Beta			
Reverse Beta			
Part 2			
x0 = -20.2727, y0 = 3.49153		P1	
x0 = -19.4848, y0 = 3.5		C1	
x0 = -18.8788, y0 = 3.49153		C2	
x0 = -16.8333, y0 = 3.49153		P2	
Part 3			
v(c) = 5.004189e+00			
i(v_cc) = -4.49581e-03			
i(v_cc)/i(v_bb) = 1.974125e+02		Beta	
gm = -1.72916e-01			
(i(v_cc)/i(v_bb))/gm = -1.14167e+03			r_pi
r_o = V_A/Ic	15829.58843	V_A from first part	
Part 4			
bc547a	2n3904c		

f = 1kHz	f = 1kHz		
5.24usec	0.36usec		
Turnoff time	Turnoff time		
f = 100kHz	f = 100kHz		
4.68usec	Infinite		
Turnoff time	Turnoff time		
f = 1MHz	f = 1MHz		
Infinite	Infinite		
Turnoff time	Turnoff time		
Using Schottky diode for bc547a at f = 100kHz,			
0.09usec			
Turnoff time			