

Name _____

Section _____

Date _____

Lab Partners _____

LABORATORY 3 Force Table and Vector Addition of Forces

LABORATORY REPORT

Data Table 1

Force	Mass (kg)	Force (N)	Direction
F_1	0.100		20.0°
F_2	0.200		90.0°
Equilibrant F_{E1}	0.265		230.0°
Resultant F_{R1}			

Data Table 2

Force	Mass (kg)	Force (N)	Direction
F_3	0.150		30.0°
F_4	0.200		100.0°
F_5	0.100		145.0°
Equilibrant F_{E2}	0.331		276.0°
Resultant F_{R2}			

Calculations Table 1

Graphical Solution			
Force	Mass (kg)	Force (N)	Direction
F_1	0.100		20.0°
F_2	0.200		90.0°
Resultant F_{R1}			