

**Inclined Plane Forces****Group 1**

Table 1 Problem Parameters

mass $m =$	11.2	kg
weight $W = mg$	-109.9	N
angle $\Theta =$	27	degrees
coeff kinetic friction $\mu_k =$	0.302	
acceleration $a_x =$	-1.8	$m/s^2$

**Inclined Plane Forces****Group 2**

Table 1 Problem Parameters

mass $m =$	14.3	kg
weight $W = mg$	-140.3	N
angle $\Theta =$	31	degrees
coeff kinetic friction $\mu_k =$	0.451	
acceleration $a_x =$	-1.3	$m/s^2$

**Inclined Plane Forces****Group 3**

Table 1 Problem Parameters

mass $m =$	18.9	kg
weight $W = mg$	-185.4	N
angle $\Theta =$	32	degrees
coeff kinetic friction $\mu_k =$	0.218	
acceleration $a_x =$	-3.4	$m/s^2$

**Inclined Plane Forces****Group 4**

Table 1 Problem Parameters

mass $m =$	18.7	kg
weight $W = mg$	-183.4	N
angle $\Theta =$	41	degrees
coeff kinetic friction $\mu_k =$	0.516	
acceleration $a_x =$	-2.6	$m/s^2$

**Inclined Plane Forces****Group 5**

Table 1 Problem Parameters

mass $m =$	16.8	kg
weight $W = mg$	-164.8	N
angle $\theta =$	36	degrees
coeff kinetic friction $\mu_k =$	0.532	
acceleration $a_x =$	-1.5	$m/s^2$

**Inclined Plane Forces****Group 6**

Table 1 Problem Parameters

mass $m =$	27.3	kg
weight $W = mg$	-267.8	N
angle $\theta =$	38	degrees
coeff kinetic friction $\mu_k =$	0.321	
acceleration $a_x =$	-3.6	$m/s^2$

**Inclined Plane Forces****Group 7**

Table 1 Problem Parameters

mass $m =$	29.4	kg
weight $W = mg$	-288.4	N
angle $\Theta =$	39	degrees
coeff kinetic friction $\mu_k =$	0.516	
acceleration $a_x =$	-2.2	$m/s^2$

**Inclined Plane Forces****Group 8**

Table 1 Problem Parameters

mass $m =$	20.4	kg
weight $W = mg$	-200.1	N
angle $\Theta =$	42	degrees
coeff kinetic friction $\mu_k =$	0.532	
acceleration $a_x =$	-2.7	$m/s^2$

**Inclined Plane Forces****Group 9**

Table 1 Problem Parameters

mass $m =$	21.7	kg
weight $W = mg$	-212.9	N
angle $\theta =$	26	degrees
coeff kinetic friction $\mu_k =$	0.345	
acceleration $a_x =$	-1.3	$m/s^2$