

## Chapter 5 & 6 Physics Homework Solutions

Chapter 5 Homework				
Problem	Answer		Problem	Answer
#8	-3687 N		#12	152 N
	14,748 m/s <sup>2</sup>			417 N
	-3351.8 m/s <sup>2</sup>		#13	444 N
#9	1060 N		#15	3651 N
	-1060 N			3063 N
	-1358.97 m/s <sup>2</sup>			4765 N
#10	524 N		#16	6 N
	-524 N			2.2 N
	-8.8 × 10 <sup>-23</sup> m/s <sup>2</sup>			6.4 N
#11	304 N		#17	2.3 N

Chapter 6 Homework				
Problem	Answer		Problem	Answer
#1	4.9 × 10 <sup>9</sup> kg m/s		#9	547 m/s
#2	-2.16 kg m/s		#10	9 m/s
#3	3.25 N s		#11	3.2 m/s
	65 m/s		#12	3000 kg m/s
#4	-1200 kg m/s			1236 kg m/s
	-3000 N			14.1 m/s
	-1.5 × 10 <sup>6</sup> N		#13	2.6 m/s
#5	1.9 × 10 <sup>10</sup> N s		#14	5 m/s
	3.2 × 10 <sup>-15</sup> m/s		#15	-.37 m/s
#6	1.39 m/s		#16	0 kg m/s
#7	75 kg m/s			-.14 m/s
	.56 m/s		#17	-1.76 m/s
#8	40,400 kg m/s			
	20.2 m/s			