

## Chapter 3 & 4 Physics Homework Solutions

Chapter 3 Homework				
<u>Problem</u>	<u>Answer</u>		<u>Problem</u>	<u>Answer</u>
#16	80 N			
#17	67.5 lbs			
#18	10 N			
#19	0 N			
#20	0 N			
	32 N			
#21	.03 N			

Chapter 4 Homework				
<u>Problem</u>	<u>Answer</u>		<u>Problem</u>	<u>Answer</u>
#1	3000 N		#11 a & b	980 N
#2	8918 N		c	9.8 m/s <sup>2</sup> down
	1090 N		#12	5.6 m/s <sup>2</sup> down
	1.2 m/s <sup>2</sup>		#13	0 m/s <sup>2</sup>
#3	-100 m/s <sup>2</sup>		#14	2.6 m/s <sup>2</sup> up
#4	-1666.7 m/s <sup>2</sup>		#17	196 N
	-50 N		#18 b	.16 m/s <sup>2</sup>
#5	2646 N		#19 b	-.32 m/s <sup>2</sup>
	.93 m/s <sup>2</sup>		#20	.51
#6 b	5 N		#21	.24
c	.037 m/s <sup>2</sup>		#22	.74 N/mm <sup>2</sup>
d	0 N			519 N/mm <sup>2</sup>
#8	49 N		#23	56.5 N/cm <sup>2</sup>
#9	319 N		#24	21 N
#10	2058 N			
	343 N			