

## Chapter 14 & 15 Physics Homework Solutions

Chapter 14 Homework				
<u>Problem</u>	<u>Answer</u>		<u>Problem</u>	<u>Answer</u>
#1	.073 N		#6	$1.18 \times 10^{-4}$ N
#2	$3.6 \times 10^{-19}$ N			$-5.3 \times 10^{-13}$ C
	Repel		#7	336,000 J
#3	$-4.0 \times 10^{-18}$ C		#8	1.5 V
	$1.1 \times 10^{-11}$ N		#9	$1.4 \times 10^{-17}$ J
	Attract			87.5 V
#4	$7.0 \times 10^{-13}$ C		#10	$7.1 \times 10^{-17}$ C
#5	$8.52 \times 10^{-8}$ N			
	Attract			

Chapter 15 Homework				
<u>Problem</u>	<u>Answer</u>		<u>Problem</u>	<u>Answer</u>
#1	900 C		#6	5.83 A
	$5.6 \times 10^{21}$		#7	90 $\Omega$
#2	3.0 A		#8	360 $\Omega$
#3	13.3 A			10 W
#4	220 V		#9	\$ .42
#5	1.1 A		#10	2160 W
	10.1 W			\$1.47