Physics: Gravitation #3 Objectives: P3.1b, 3.1A, P3.6A,B,C,d Directions: Please show knowns, formula and		Name:	
 The gravitational force between two identical masses 35cm apart is 7.42 E -2 n. Find the mass of the objects. 			
	Knowns	formula	Solution
 What would be the value of gravity(g) on a 105kg astronaut who is two earth radius above the earth's surface? 			
	Knowns	formula	Solution
3.	If the mass of Mercury is 5.6E22 kg of Mercury? Knowns	g and its gravity formula	is 2.7m/s/s, what is the radius Solution
4.	A 55 kg object is 501 km above the Knowns	earth's surface formula	. Find Solution
	mass		_ weight at that height
5. If the radius of a planet is 5500km and an object weighs 850n on the surface, whis its weight when it is located at(Assume g is 15 m/s/s.)			
	19km above the surface Knowns	formula	401 km above the surface Solution
6. Two spheres of 95kg and 55kg are 3.5 E -4m apart. Find the			
	force between them		
acceleration of large mass			
acceleration of small mass			
	Knowns	formula	Solution