Some clues to 1st term Project (3º eso) 2010_11

Problem 1:

From Fg = Fc, and a little algebra to simplify and cancel terms, you get

$$M = \frac{?}{?}$$

Problem 2:

- Substitute 2 π R / T for V and with little algebra to simplify and cancel terms, you get :

$$M = \frac{?}{?}$$

Problem 3:

- First convert all units to meters and seconds: R = [redacted] meters and T = [redacted] seconds. Then substitute values into the above equation:

M = [redacted] x [redacted] / ([redacted] x ([redacted])))

M = ([redacted]) / ([redacted])

M = [redacted] kilograms

Problem 4:

	A	B	C	D	E	F	G
1		G	Radio	Periodo		Masa	
2	Moon	6,67E-11	1737	2		5,98	kg
3	Planet 1	6,67E-11	5678	3		9,28	kg
4	Planet 2	6,67E-11	400	4		1,82	kg
5	Planet 3	6,67E-11	12000	5		3,1	kg
6	Planet 4	6,67E-11	5600	6		2,22	kg
7	Planet 5	6,67E-11	3200	7		3,0	kg
8	Planet 6	6,67E-11	4358	4		2,36	kg
9	Planet 7	6,67E-11	11200	3		7,12	kg
10	Planet 8	6,67E-11	432	6		1,02	kg
11	Planet 9	6,67E-11	7888	12		1,55	kg
12	Planet 10	6,67E-11	9222	24		6,21	kg
13	Planet 11	6,67E-11	24000	43		3,41	kg
14	Planet 12	6,67E-11	125000	87		1,17	kg
15	Planet 13	6,67E-11	34000	3		1,99	kg
16	Planet 14	6,67E-11	5600	5		3,20	kg
17	Planet 15	6,67E-11	2400	3		7,01	kg
18	Planet 16	6,67E-11	1500	2		3,85	kg
19							