Black Hole Arithmetic Practice

1)		
Ū.	Determine the Schwarzchild radius (r _{sch})of a stella with a mass of 10m _☉	r black hole
	With a mass of 10m _☉	
		Answer:
		7 (115 W C1 .
2		
	the mass (in solar masses) of a black hole with a S	schwarzchild radius of
16 million		onwarzenia radias er
		Answer:
		Allswel.
		Allswei.
		Allswei.

3	
	Determine the mass (in solar masses) of a supermassive black hole
	that is orbited by a star with a mean/average orbital radius of 1500 AU's
	and a period of 12 Earth Years
	Answer:
	Allowel.