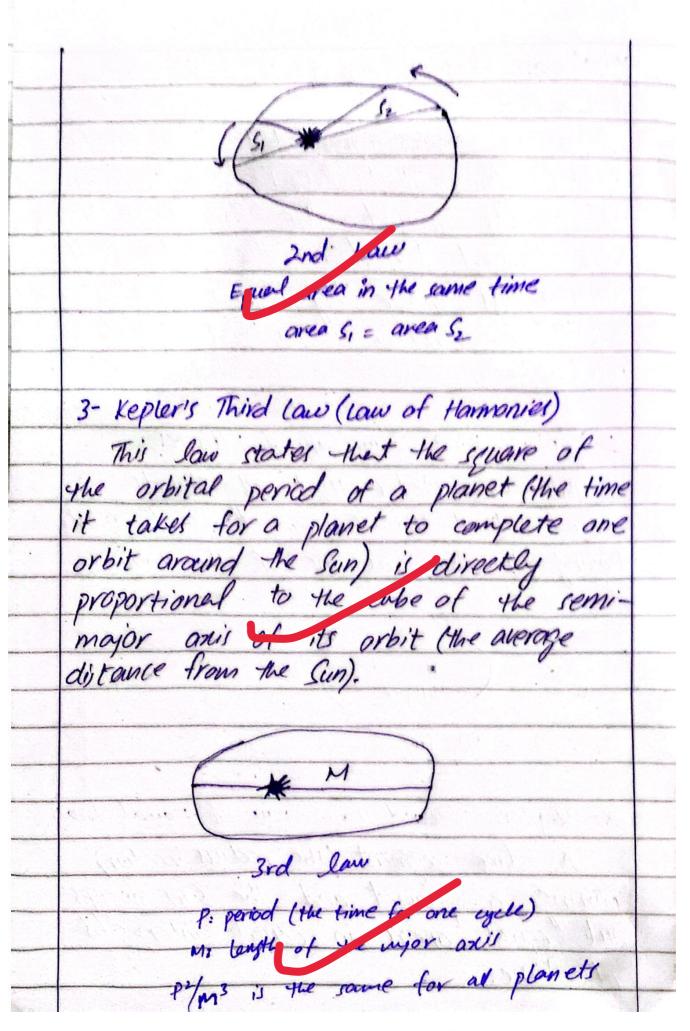
	are Kepler laws related to the
	of planets?
Johan	ones kepler formulated three funda
menta	I saws that describe the motion
of p	lanets around the Sun. These law
were'	lanets around the Sun. These law derived based of the meticulous
observa	ations nak by Tycho Brahe. H.
a b	ations made by Tycho Brahe. He rief overview of each of Kepler's
raws:	
1-Kep	pler's First Law (Law of Ellipses)
This	law states that all planets
move	law states that all planets about the Sun in elliptical orbin
	the Sun as one of the foci.
0	
	No. of the second secon
	* (* (C) Die de Com *
	Ellipse
	1st law
a- Ke	pler's Second Law Craw of Equal Are
	line segment (the radius vector)
inining	a samet and the Sun sweeps
out	equal areas in equal intervals
	ime.



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These laws fundamentally changed the understanding of planetary motion and lord the groundwork for Newton's theory of gravitation.	2
understanding of planetary motion an	1
lood the groundwork for Newton's	
theory of gravitation	
	7
Good attempt!!	-
	-
	-
	1 1
	8.
	14

Define the term Black Hole. What's expected inside it? Definition: region in space where gravitational forces are so strong that nothing, not even light, can escape its gravitational pull Red Stellar Malie Supergiant Nebula What's inside a black hole? Inside a black hole, we expect: 1- singularity: A point of infinit density where all the black hole's mays is concentrated. 2- Event Horizon: The boundry beyon which nothing can except, not even light. 3- Externe Bravity: Gravity is so strong that it warps space and time. The exact nature of the interior remains

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