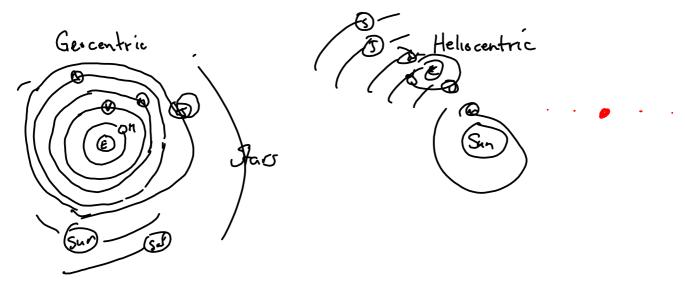
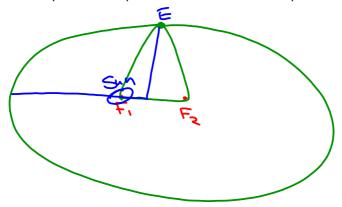




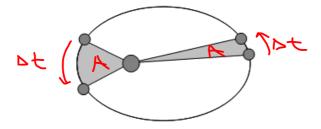
Planetary Models



"Kepler's first law: The path of each planet about the sun is an ellipse with the sun at one focus.



"Kepler's second law: Each planet moves so that an imaginary line drawn from the sun to the planet sweeps out equal areas in equal periods of time."



"Kepler's third law: The ratio of the squares of the periods of any two planets revolving about the sun is equal to the ratio of the cubes of their mean distances from the sun. That is, if T_1 and T_2 represent the periods, and T_2 represent their average distances from the sun, then

Kepler's constant
$$\left(\frac{T_1}{T_2}\right)^2 = \left(\frac{r_1}{r_2}\right)^3$$

 $= \frac{{r_1}^3}{{7_1}^2} = \frac{{r_3}^3}{{7_2}^2} = \frac{{r_3}^3}{{7_3}^2} = \dots$

	K(F,)(m)		K
Mercury	3.35×1018	Saturn	3.39×/018
Venus	3.34 x/6 ¹⁸	Wranus	3.382018
Earth	3.39 ×1018	Neptung	3 41 × 1168
Mars	3.36 ×1018	Pluto	336×10 ¹⁸
Jupiter	3. 38×/018	•	
		1~100N	1.82×18" = Kgarth