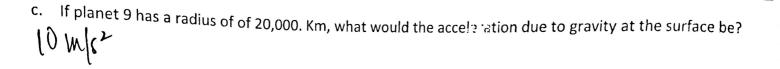
۷.	A new planet 9?!? Scientists have strong and the
	A new planet 9?!? Scientists have strong evidence to suggest a massive planet nine located beyond Pluto in the Kuiper belt. Objects in this region of our extensed
	region of our outer solar system have periods between ten and twenty the usend
	years. The estimated mass of Planet Nine is 6 x 10 ²⁵ kg with a radius of 13,000 to 26,000 km
	kg With a radius of 13 000 to 26 000 km

a. Using Kepler's Third Law determine the approximate semi major axis(meters) for this new planet if its period is 15000 years?

9. (240) M

b. How many AU's is this? 608 MM



d. How long in years would a spacecraft like New Horizons(v=16km/s) take to get to Planet Nine? (Use your answer from a.)

V20) Ut = 9.12×1013 M = 5.7×109 seconds \$2180 years

- e. What would you name the new planet?
- 3. Read the 538 Article, "How Math, And Not A Telescope, May Have Found A New Planet."
 - a. Brief Summary