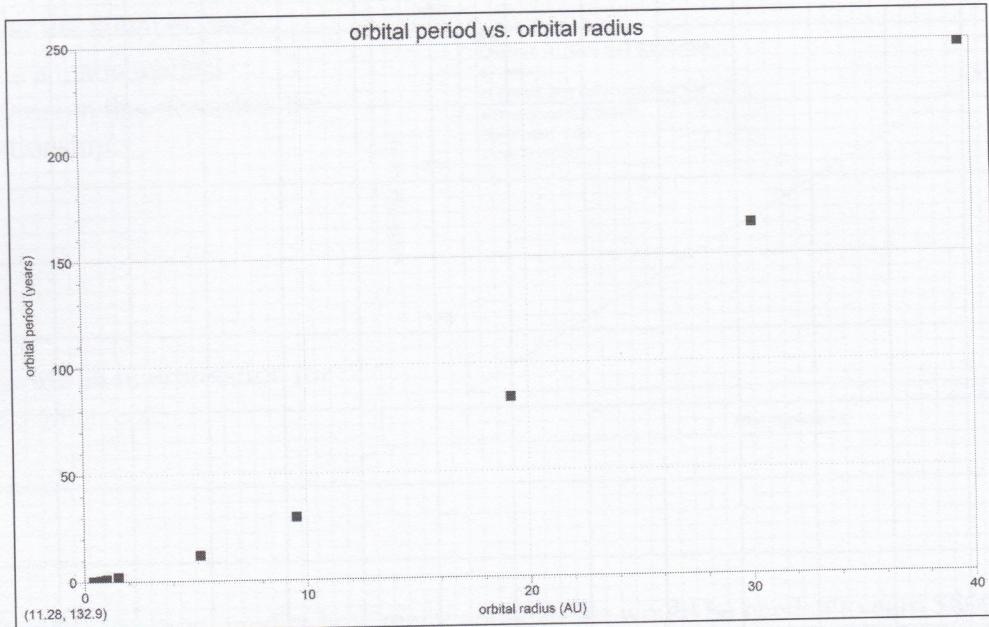


7. The graph below compares the amount of time it takes a planet to orbit the sun (in earth days) versus the distance the planet is from the sun, measured in Astronomical Units. (1 AU = earth to sun separation.)



a. What test plot would you try first in order to linearize the relationship below?

b. In this case it turns out that several test plots need to be made before the graph is linearized. (Johannes Kepler was the first person to work out this relationship in the early 1600's.) Write the equation for the graph below. Does the same equation apply to the graph above? Why?

