Exercise B3: Johannes Kepler and Elliptical Orbits

Student name:	Class:	Date:
Check the box with the correct answer.		
Question 1: What is the length of the m	ajor axis of Mars' orbit?	
a. 0.285 AU		
c. 1.666 AU		
☐ d. 3.047 AU		
Question 2: What is the sidereal period	of Mars using Kepler's Third La	w?
a. 0.15 years		
c. 2.14 years		
☐ d. 5.32 years		
Question 3: On average, how far would	I Mars have to be from the Sun t	o have an orbital period of 10 years?
a. 0.15 AU		
b. 1.88 AU		
☐ c. 2.14 AU		
d. 4.64 AU		