Exercise B3: Johannes Kepler and Elliptical Orbits

Student name:	Class:	Date:	
Check the box with the correct ans	swer.		
Question 1: What is the length o	of the major axis of M	lars' orbit?	
□ a . 0.285 AU			
□ b . 1.381 AU			
□ c. 1.666 AU			
□ d. 3.047 AU			
Question 2: What is the sidereal	period of Mars using	g Kepler's Third Law?	
□ a. 0.15 years			
□ b. 1.88 years			
□ c. 2.14 years			
☐ d . 5.32 years			
Question 3: At what distance wo	ould a planet have to	orbit the Sun on average in order to ha	ve a
sidereal period of 10 years?			
□ a. 0.15 AU			
□ b . 1.88 AU			
☐ c. 2.14 AU			
□ d. 4.64 AU			