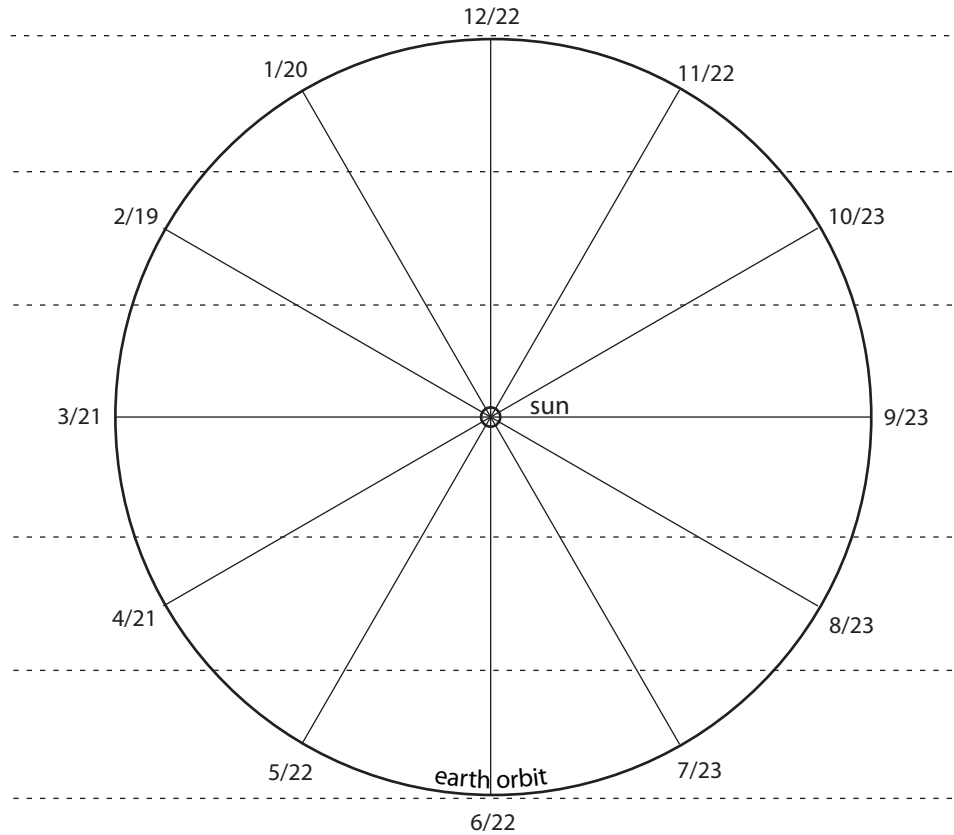


ABRHS Physics (H)  
 Lab A-4: Plotting the Orbit of Mars

Name: \_\_\_\_\_



	<i>Date</i>	<i>To Mars</i>
1	Mar 21, 1931	118.5
	Feb. 5, 1933	169
2	Apr. 20, 1933	151.5
	Mar. 8, 1935	204.5
3	May 26, 1935	187
	Apr. 12, 1937	245.5
4	Sept. 16, 1939	297
	Aug. 4, 1941	16.5
5	Nov. 22, 1941	12
	Oct. 11, 1943	80
6	Jan. 21, 1944	65.5
	Dec. 9, 1945	123
7	Mar. 19, 1946	107.5
	Feb. 3, 1948	153
8	Apr. 4, 1948	138
	Feb. 21, 1950	190.5

Scale: \_\_\_\_\_ cm = 1 AU

R: \_\_\_\_\_ cm = \_\_\_\_\_ AU

c: \_\_\_\_\_ cm = \_\_\_\_\_ AU

p: \_\_\_\_\_ cm = \_\_\_\_\_ AU

a: \_\_\_\_\_ cm = \_\_\_\_\_ AU

e =

*Mars-Earth Distances:*

min: \_\_\_\_\_ cm = \_\_\_\_\_ AU

max: \_\_\_\_\_ cm = \_\_\_\_\_ AU

Mark on orbit: Major Axis, center, perihelion, aphelion, closest approach, farthest approach