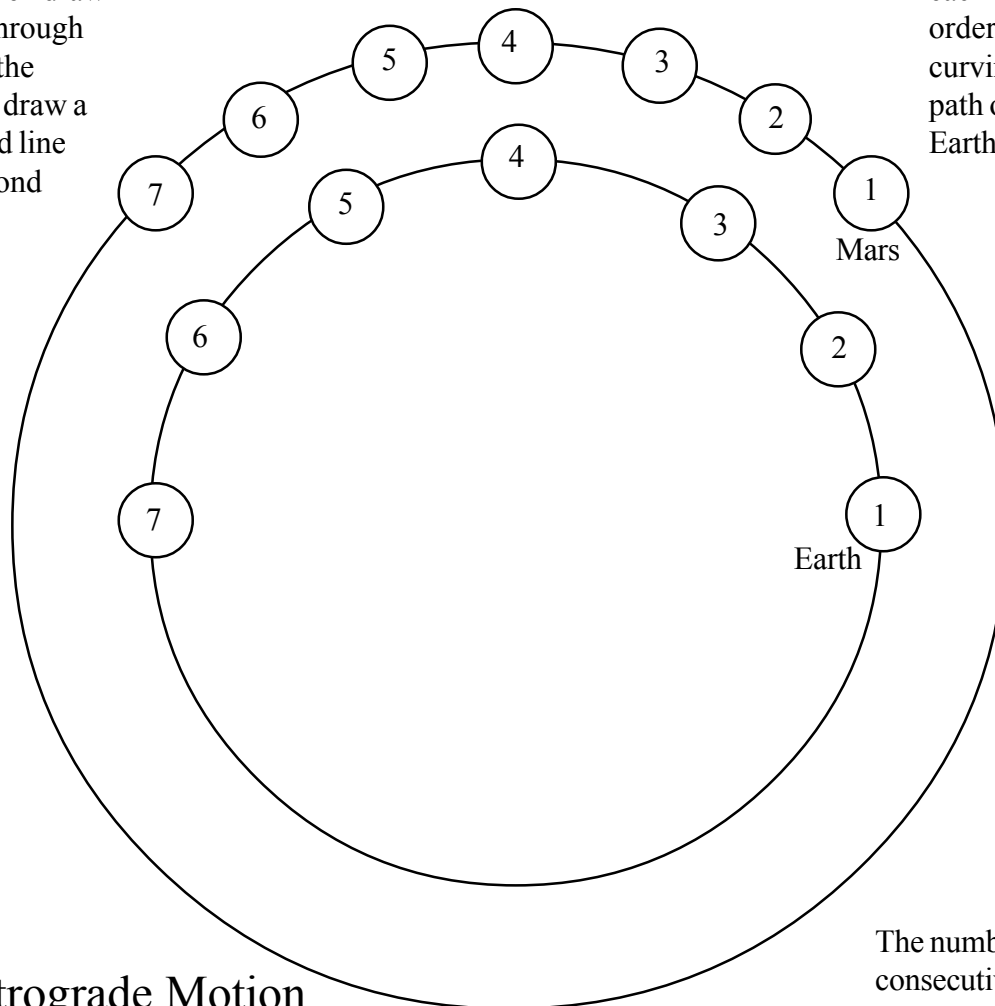


Background Sky. Observed position/movement of Mars against the fixed background.


Read all of the instructions before you start:

Draw a line from Earth 1 through Mars 1 to the top of the Background Sky box. Near the intersection of your line with the dashed line, draw a circle and write 1 in it. Put circle 1 below the dashed line but still in the Background Sky box and on the line you drew. Then draw a line from Earth 2 through Mars 2 to the top of the background sky and draw a circle near the dashed line with 2 in it. This second

circle should be a little higher in the Background Sky box. Repeat for 3, 4, 5, 6, and 7; each circle getting progressively higher in the Background Sky box. Connect the seven circles you drew in the Sky box by drawing a curving line from each circle in numerical order (1 through 7). This curving line is the observed path of Mars as seen from Earth.



Observed Retrograde Motion

The numbers represent consecutive moments in time.