



The figure for concept check question #5 (Chapter 1) and #6

For #5: draw lines connecting Earth and Mars at the 9 points indicated. Extend the line to the “sphere” of stars to show what star Mars would appear *in front of* at the different positions. Indicate at which stages Mars appears to moving “backwards” against the background of stars.

For #6: The sun is always at the same place in the sun-centric picture. So draw lines in a different color from the sun to Mars, and on to the “sphere” of stars, at the different times 1...9. When would Mars appear to moving backwards from the point of view of the sun??