



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 at the different times 1...9. When would Mars appear to moving backwards from the point of view of the sun??