Several of the figures from your Week 6 reading assignment reproduced poorly in the Reader, so better versions are given here. They come from pages 102 - 104, from the reading by Abell.

Figure 8.7 Tycho’s model for the solar system. (p. 102)

Figure 8.8 Conic sections. (p. 103)
Figure 4.10 The ellipse. (a) A group of ellipses with the same major axis but various eccentricities. (b) Ellipses with the same eccentricity but various major axes.

Figure 4.11 Kepler's law of equal areas: A planet moves most rapidly on its elliptical orbit when it is at position A, nearest the sun (S) at one focus of the ellipse. The orbital speed of the planet varies in such a way that in equal intervals of time it moves distances AB, BC, CD, and so on, so that the regions swept out by the line connecting the planet to the sun (alternating shaded and clear zones) are always the same area.