Figure 2.1 Exterior angles ∠ACD and ∠BCE.
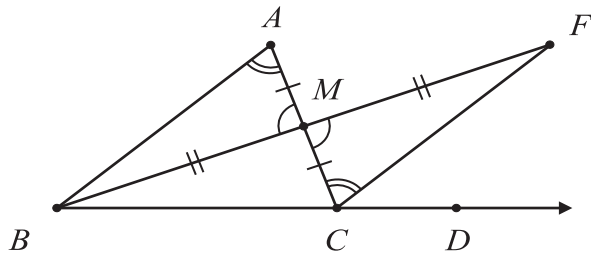
Figure 2.2 Proof of the Exterior Angle Theorem.

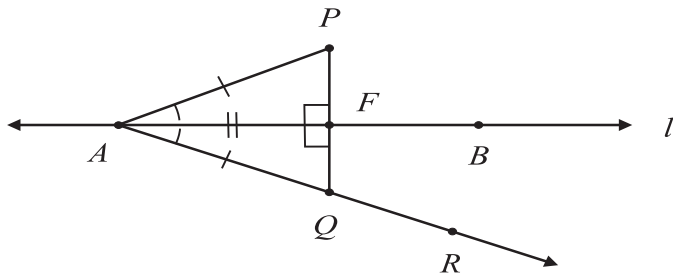**Figure 2.3**   Proof of existence of perpendiculars.
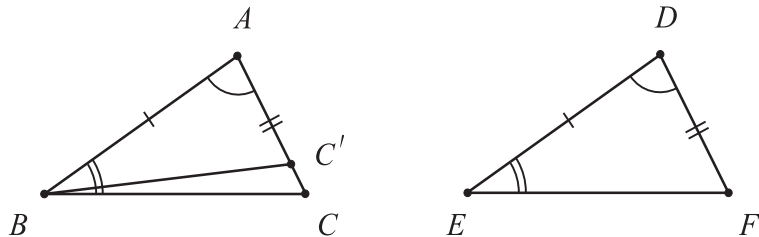
Figure 2.4   Proof of ASA.
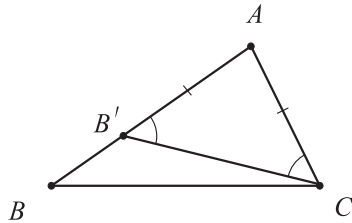
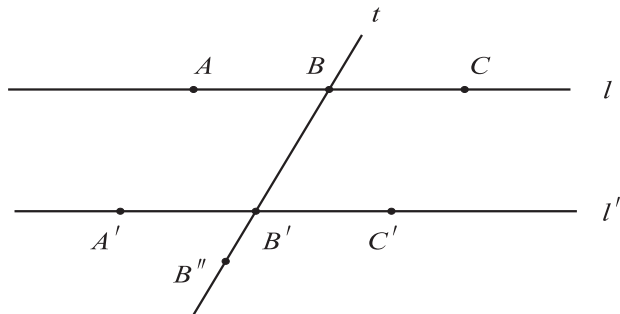**Figure 2.5** *AB* > *AC* implies μ(∠*ACB*) > μ(∠*ABC*).

Figure 2.6   Definition 52.
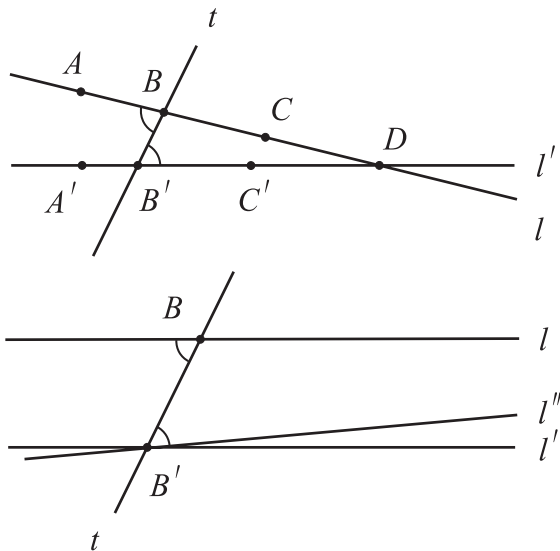
Figure 2.7 Proof of the Alternate Interior Angles Theorem.
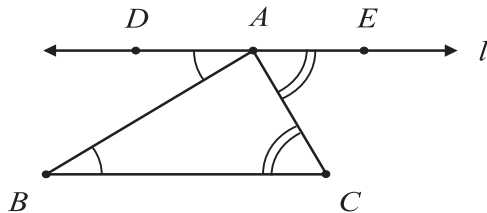
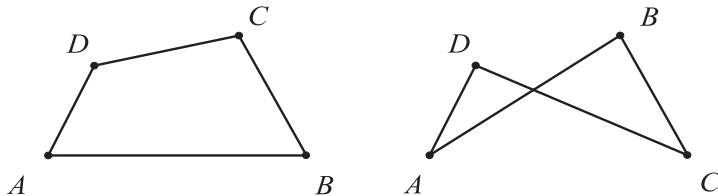**Figure 2.8**   Proof of the Angle Sum Theorem.

002x008.eps

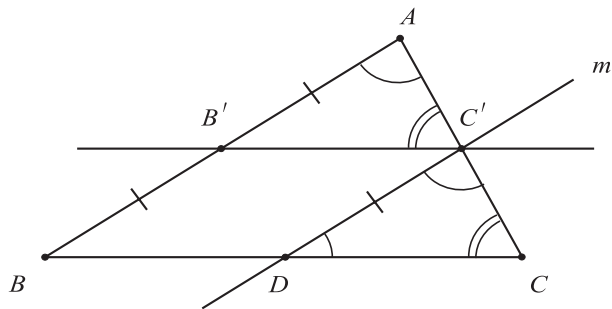**Figure 2.9**   Simple (left) and crossed (right) quadrilaterals □*ABCD.*

Figure 2.10 Proof of Theorem 64, Case 1.
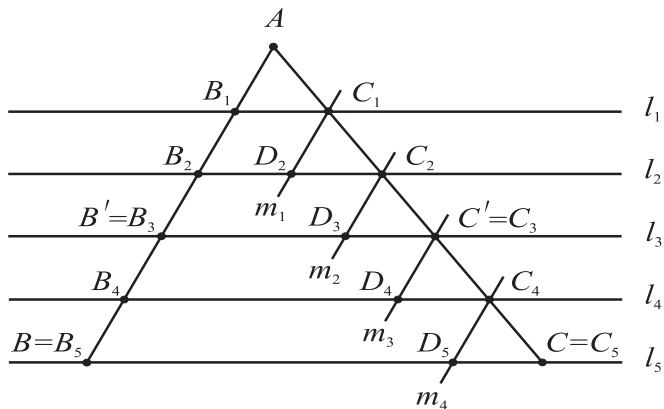
Figure 2.11 Proof of Theorem 64, Case 2 (for $p = 5$, $q = 3$).
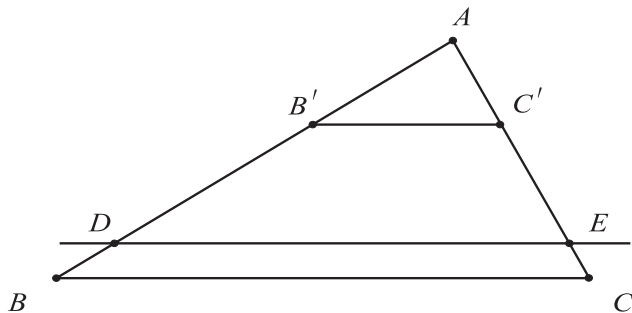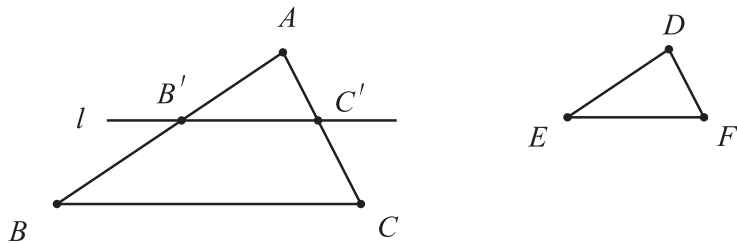
002x011.eps

Figure 2.12   Proof of Theorem 64, Case 3.

Figure 2.13 Proof of Theorem 65, Case 2.