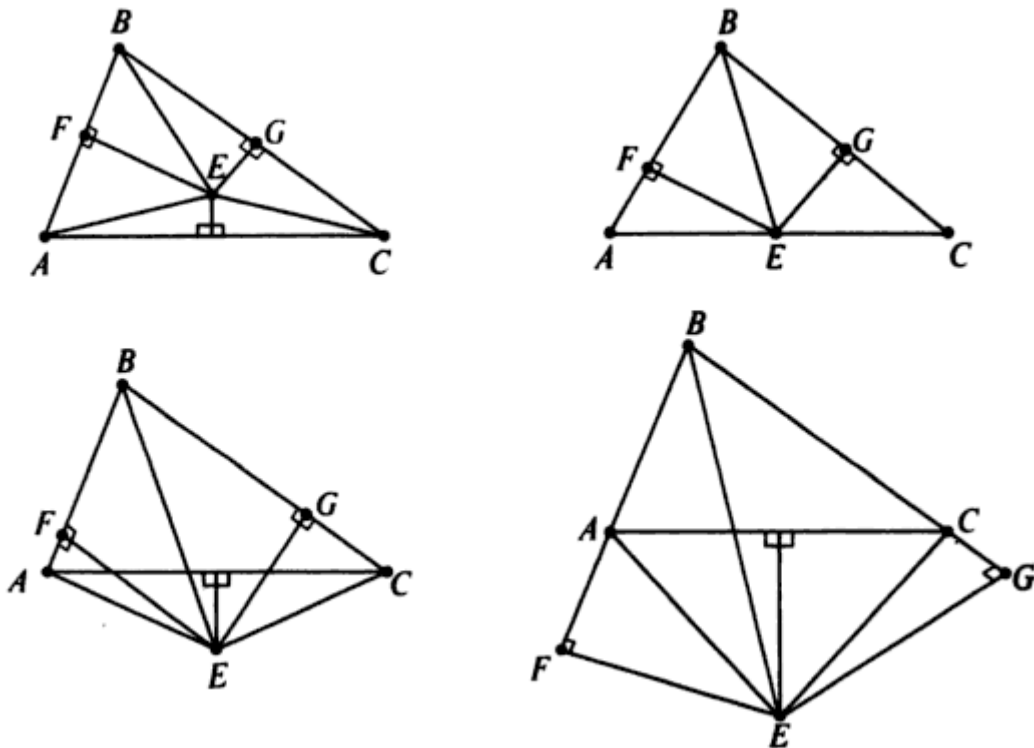


MORE DRAWINGS FOR THE ISOSCELES TRIANGLE FALLACY

In the drawing on page 56 of the notes, the bisector of the angle at one vertex (which is **B** in the drawings below) meets the perpendicular bisector of the opposite side (which is **[AC]**) at a point **E**, and this point is depicted as lying in the interior of the triangle. In fact, the idea of the argument on pages 56 – 57 also applies to cases where this common point is on the triangle or in the exterior of the triangle. Drawings for such cases are given below; these are taken from W. Prenowitz and M. Jordan, *Basic Concepts of Geometry* (Ardsey House Publishers, Lanham, MD, 1989).



Although these drawings might not be metrically accurate in all respects, they are similar in quality to the rough drawings that often accompany handwritten geometric arguments.

Several other standard geometric fallacies appear in Prenowitz and Jordan as Exercises 10 – 13 on pages 15 – 19.