



Figure 2.9 Comparison of a great-circle course (orthodrome) and a compass course (loxodrome) as plotted on Mercator and gnomonic projections: (a) Straight-line loxodrome and curved orthodrome on Mercator. [Based on Defense Mapping Agency map, "The World," (Series 1145, Edition 1-DMATC).] (b) Straight-line orthodrome and curved loxodrome on gnomonic. [Based on Plate IV, "Gnomonic projection of the North Atlantic Ocean," Charles H. Deetz and Oscar S. Adams, *Elements of Map Projection*, Special Publication No. 68, 5th ed. (Washington, D.C.: U.S. Department of Commerce, Coast and Geodetic Survey, 1944).]