# **Section 5.5.** Two Force and Three Force Members

**Definition.** If the system of forces and moments acting on an object is equivalent to two forces acting at different points, the system is a *two force member.*

**Note.** A two force member in equilibrium must have the two forces opposite, equal, and with the same line of actions.

**Definition.** If the system of forces and moments acting on an object is equivalent to three forces acting at different points, the system is a *three force member.*

**Note.** A three force member in equilibrium has three forces coplanar and *either* parallel *or* concurrent. See pages 255 and 256 of the text for a proof!

**Example.** Page 260 Number 5.126.

*Revised: 9/26/2018*