CMGT 340 - Principles of Statics
Using a BIC 4-Color Pen
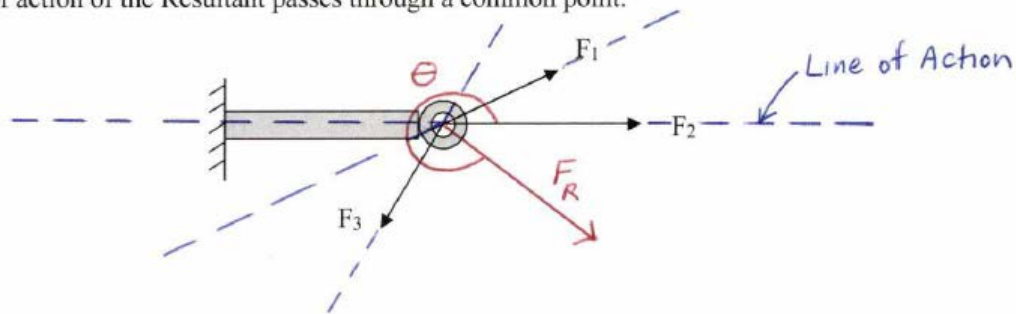
Blue   Line of Action
Green   Rectangular Components
Black   Externally applied loads
Red   Resultant (Chapter 2)
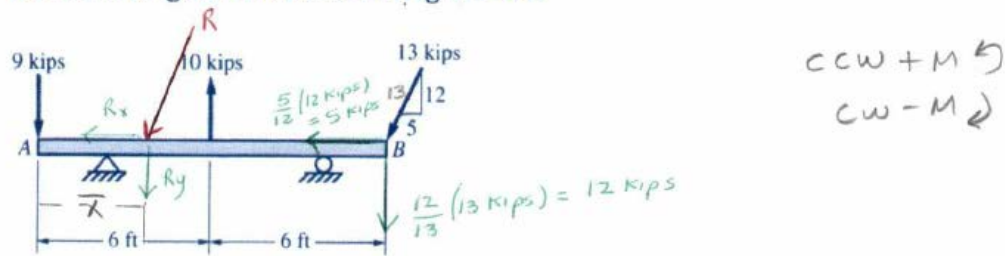   Reactions (Chapter 3 & 4)

Examples
Chapter 2

Concurrent Coplanar Force System
The line of action of the Resultant passes through a common point.

Example
2–64 Find the magnitude, direction, and location of the resultant of the three forces acting on the beam in Fig. P2–64.
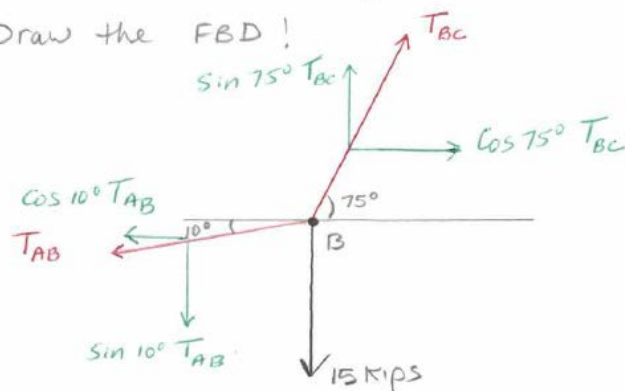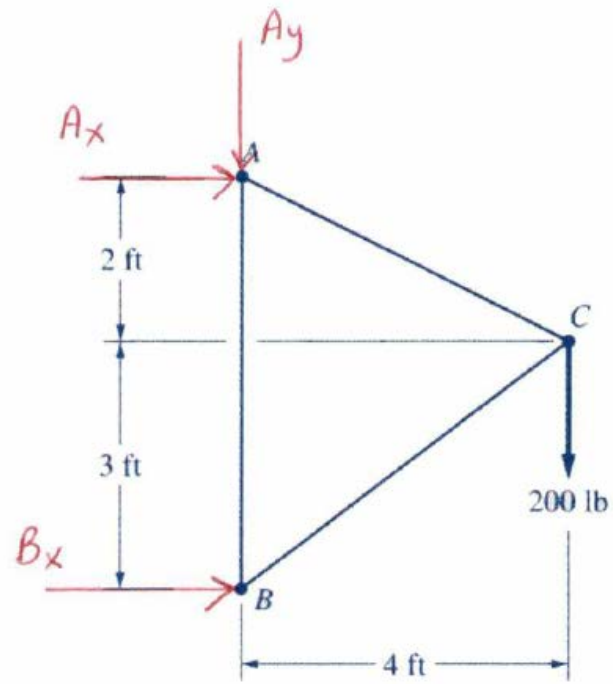

FIGURE P2–64

Chapter 3

Determine the Reactions at supports A and B

FBD – Entire Truss