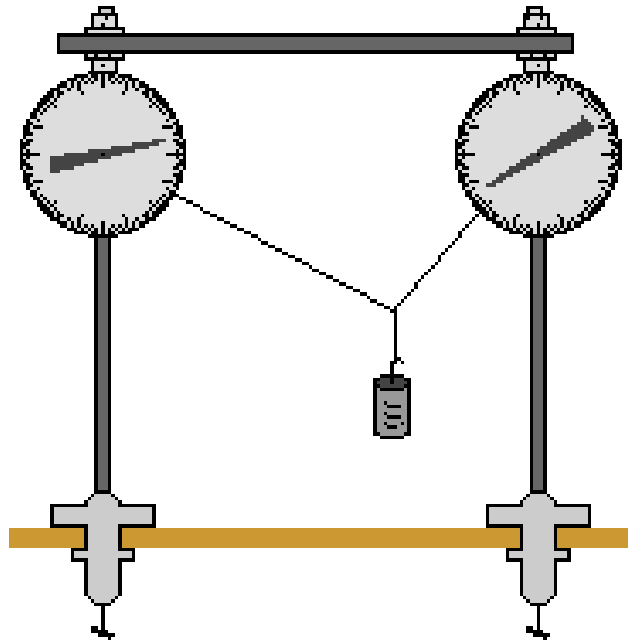
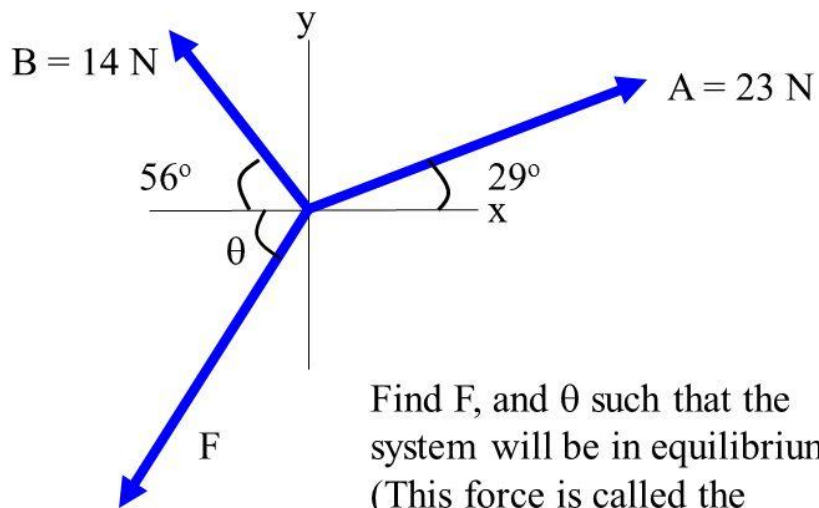


Force Systems: Equilibrium



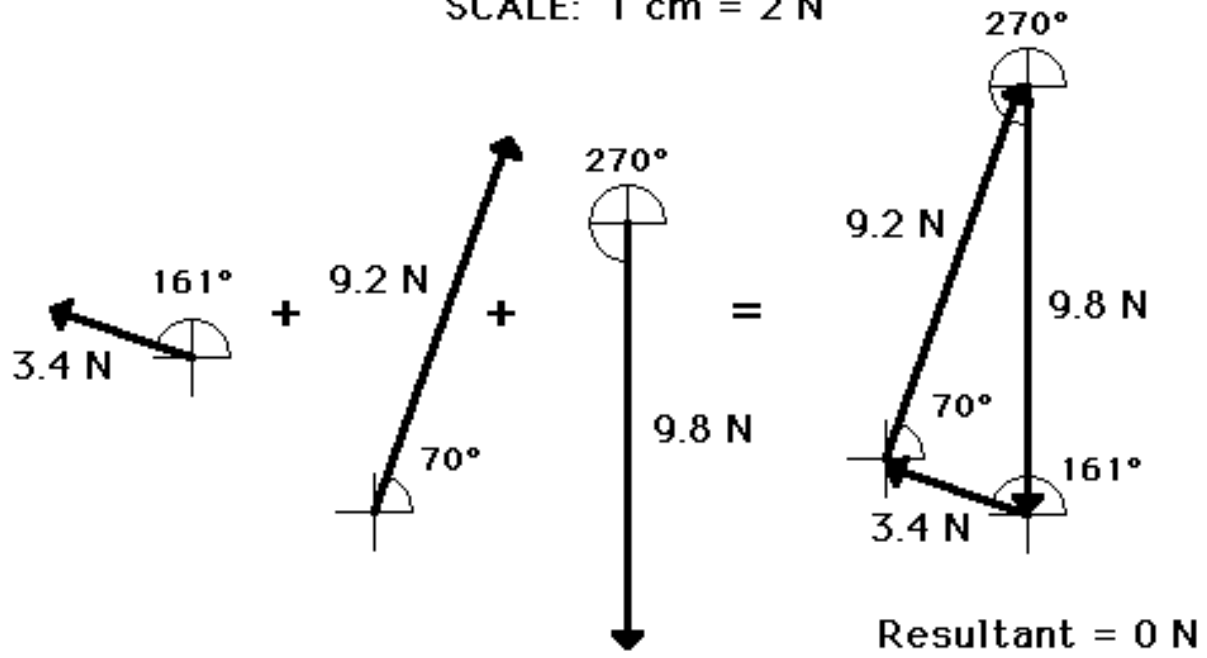
Example:



Find F , and θ such that the system will be in equilibrium
(This force is called the equilibrant)

	x	y
A	20.12	11.15
B	-7.83	11.61
F		
Sum	0	0

SCALE: 1 cm = 2 N



Equilibrant > the single force that places a force system into a state of equilibrium

- Equal magnitude to the resultant
- Opposite in the direction to the resultant

