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*Chapter 2 - Force Vectors How to find Centroid of an I - Section | Problem 1 | Strength of Materials I: Review Principles of Statics, Internal Resultant Loads (1 of 20)*  
~~Strength of Materials I: Normal and Shear Stresses (2 of 20)~~  
~~ME 273: Statics: Chapter 1 Statics: Crash Course Physics #13 Statics Review in 6 Minutes (Everything You Need to Know for Mechanics of Materials)~~ ~~ME273: Statics: Chapter 6.1—6.3 How to find the moment of inertia for composite~~

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 $70 \text{ u } 30 \text{ 45 } 300 \text{ N } F_2 \text{ 500 N } v$  SOLUTION  $F_R = 2 (300)^2 + (500)^2 - 2 (300) (500) \cos 95^\circ = 605.1 = 605 \text{ N}$  Ans.  $605.1$   
 $500 \sin 95^\circ = \sin u \text{ u} = 55.40^\circ \text{ f} = 55.40^\circ + 30^\circ = 85.4^\circ$  Ans.  
2. 2-2.

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