



COMPOSITION OF CONCURRENT FORCES

Guide Questions

40% of the Written Report (Group Report) grade

1. What is a scalar quantity? A vector quantity?
2. Which of the following are scalar and which are vector quantities: force, temperature, volume, height, velocity, displacement, energy, acceleration?
3. Define or clearly explain the meaning of the following: resultant force, equilibrant force.
4. Discuss two (2) possible causes of any differences in the results obtained from the graphical method and the force table.
5. Discuss the advantage or disadvantage of each of the four methods of vector addition used (polygon, parallelogram, trigonometric and component methods).