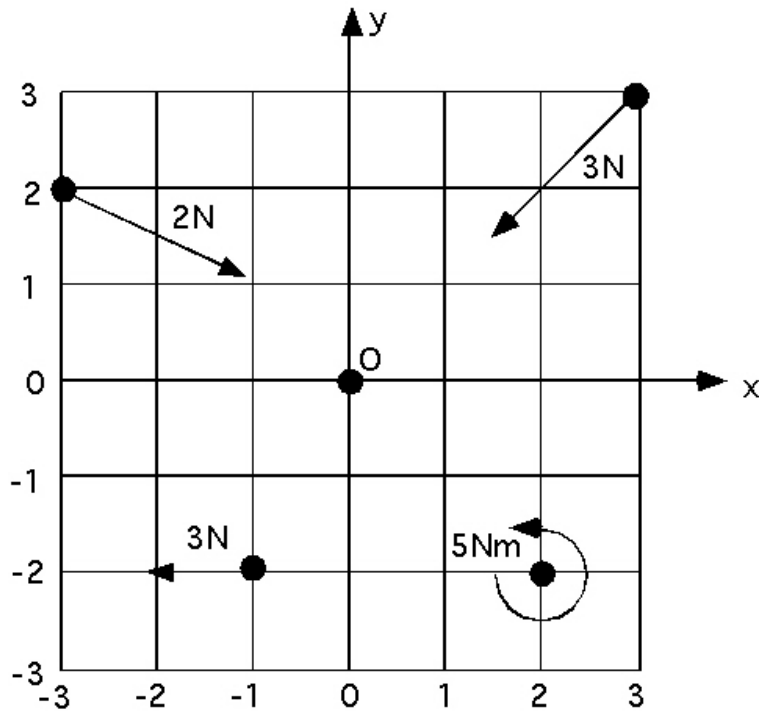


**Problem M2 (Materials and Structures)**

In this question you will calculate and sum forces and moments in 2-D



Consider the system of forces and couples acting in the directions indicated on the 6m x 6 m grid shown above. Calculate:

- (a) The total (resultant) force acting on the grid
- (b) The total moment acting about point O.

In each case express your answer as a vector.