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Determine the moment of the force at A about point O. Express the result as a Cartesian vector.  $F = (60i - 30j - 20k)$  N  
 $a = 4$  m,  $b = 7$  m,  $c = 3$  m,  $d = 4$  m,  $e = 6$  m and  $f = 2$  m: 5. Determine the moment of the force at A about point O. Express the result as a Cartesian vector.

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Statics 1. Draw a vector in standard

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position, or anywhere 2. Find the scalar multiple of a vector 3. Adding vectors 4. Subtracting vectors 5. Find the dot product of vectors 6. Find the length of a vector and give a unit vector in its direction 7. Determine orthogonality and angles between vectors ...

## **Statics - Engineer4Free: The #1 Source for Free ...**

Mechanical Engineering; Engineering Mechanics (Web) Syllabus; Co-ordinated by : IIT Guwahati; Available from : 2009-12-31. Lec : 1; Modules / Lectures. Basics of Statics . Introduction-Fundamentals of Engineering Mechanics; Introduction-Equation of equilibrium;

## **NPTEL :: Mechanical Engineering - Engineering Mechanics**

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