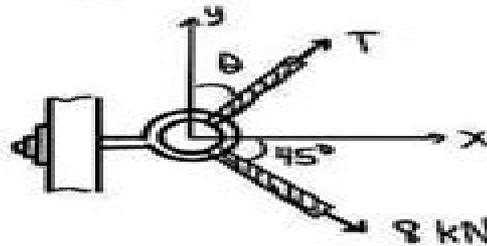


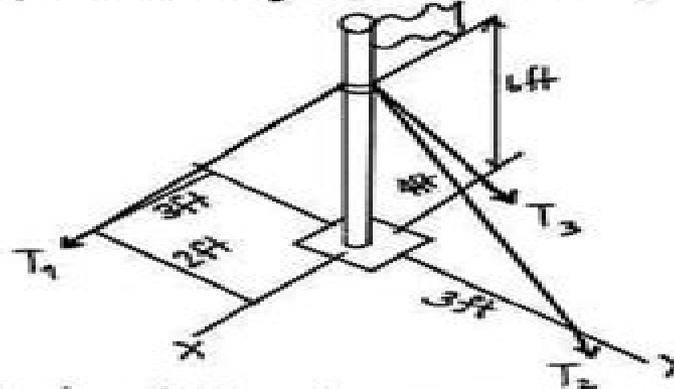
ENGINEERING MECHANICS EXAM

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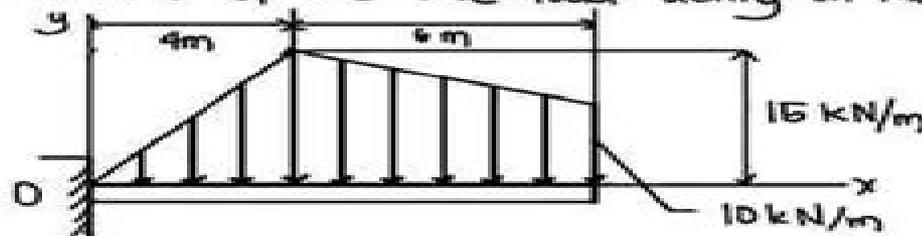
- 1) If the magnitude of the resultant force is to be 9 kN directed along the positive x axis, determine the magnitude of force T acting on the eyebolt and its angle θ .



- 2) Find the resultant or equivalent force acting on the guy wires on the flag pole. Use $T_1 = 200$ lb, $T_2 = 400$ lb, $T_3 = 350$ lb.



- 3) Determine the resultant of the line load acting on the beam as shown:



Engineering Mechanics Shames Solution

Irving Herman Shames



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