In class Static forces

|  |  |
| --- | --- |
|  | A 6.20 kg pot of flowers is to be hung using two wires, one horizontally to a wall with tension T1 and the other with tension T2 sloping up at an angle Θ = 40.0 ° tied to an overhang. Find the tension in each wire.  |

FBD: Components:

|  |  |
| --- | --- |
|  | An automobile engine with a mass of 320 kg is suspended from a ring by a cable. It is held in position by two ropes; one suspended from a pulley on the ceiling and one pulled by a mechanic as shown in the diagram. Determine the tension in each cable. |

FBD: Component diagram: