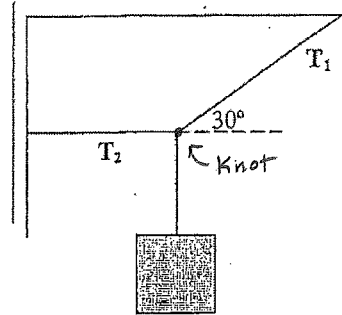


Tension Notes

Always begin by drawing a force diagram for the knot.

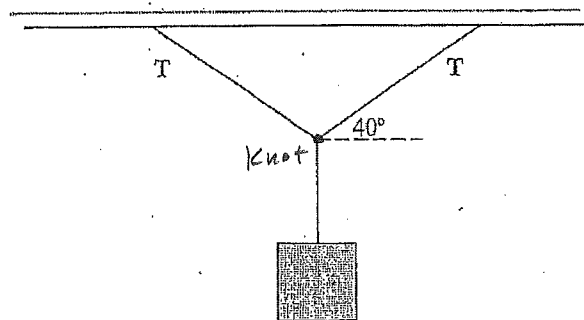
1.

A 50-kg mass is supported by two cables as shown. What is the tension in each cable?

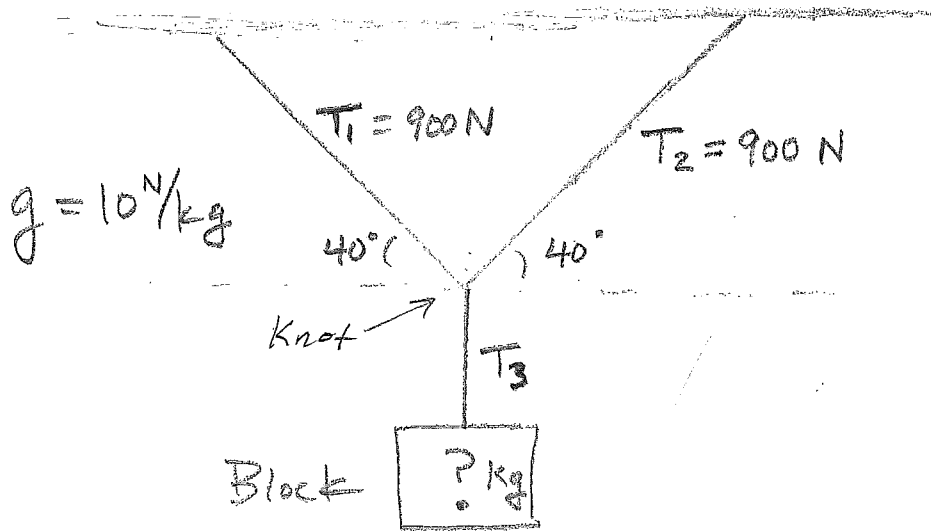


2.

A 30 kg mass is supported by two wires as shown. Each wire has the same angle. What is the tension in each wire?



3. What is the mass of the block?



4. What is the mass of the block? $T_2 = 100$ Newtons

$g = 10\text{ N/kg}$

