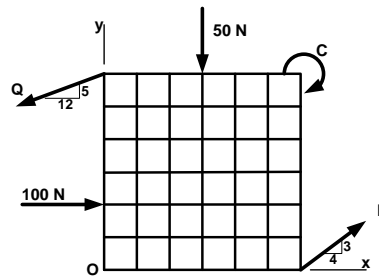
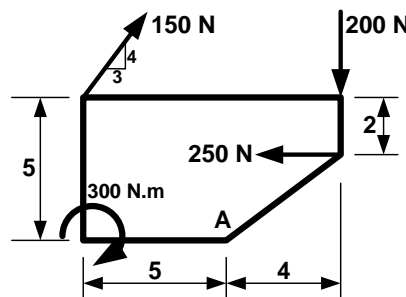


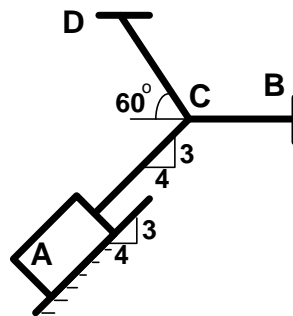
Q1) The force system shown in (FIG. Q1A) consists of the couple C and four forces. If the resultant of this system is a 750 N.m counterclockwise couple, determine P, Q and C



Q2) For the system shown in (FIG. Q3B) determine the resultant and locate it *w.r.t.* point A?



Q3) Determine the maximum weight of block A for which the maximum tension in cable CD does not exceed 160 N



Determine the resultant of the coplanar force system shown in (FIG. Q1) and locate it with respect to point A?

