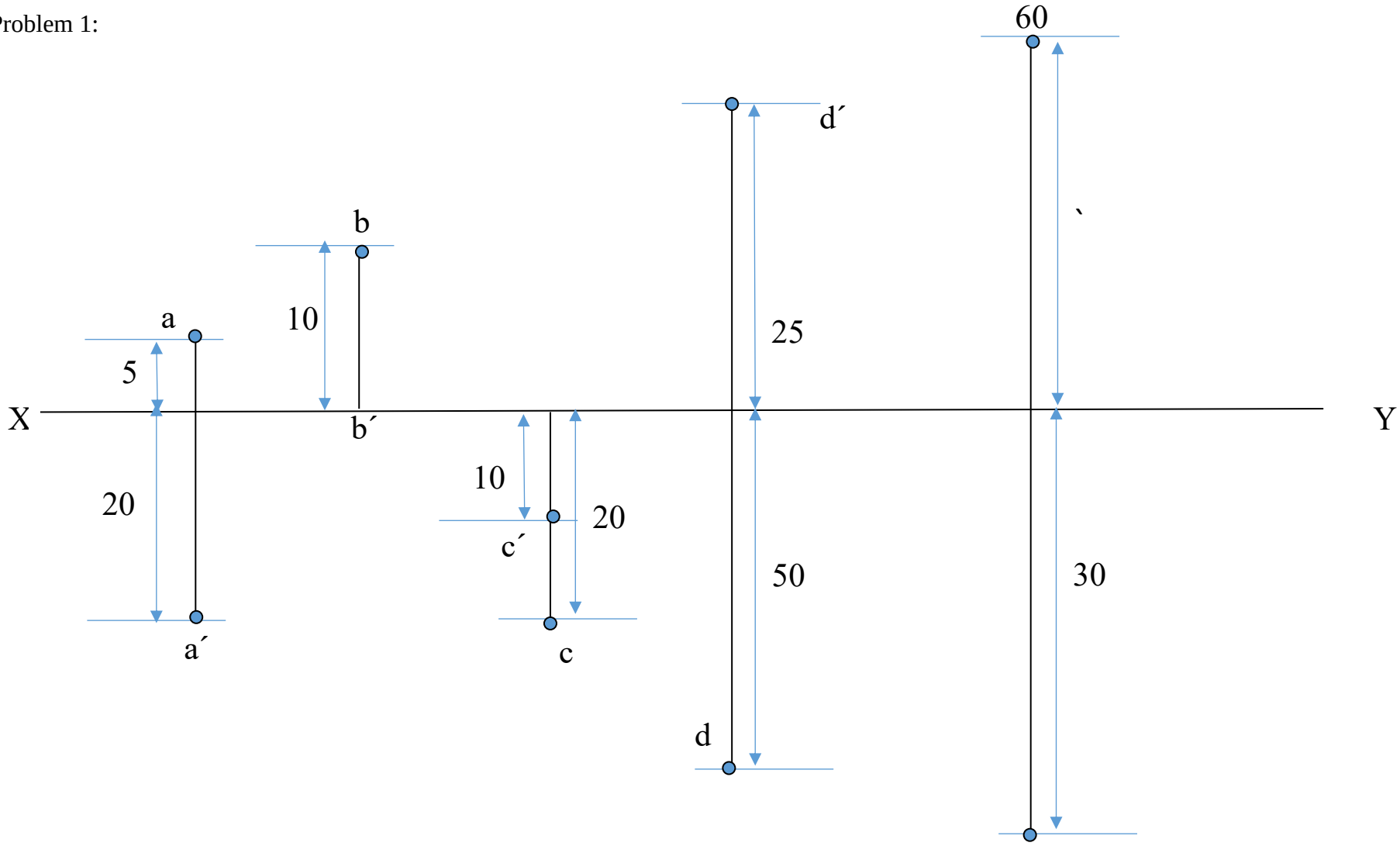
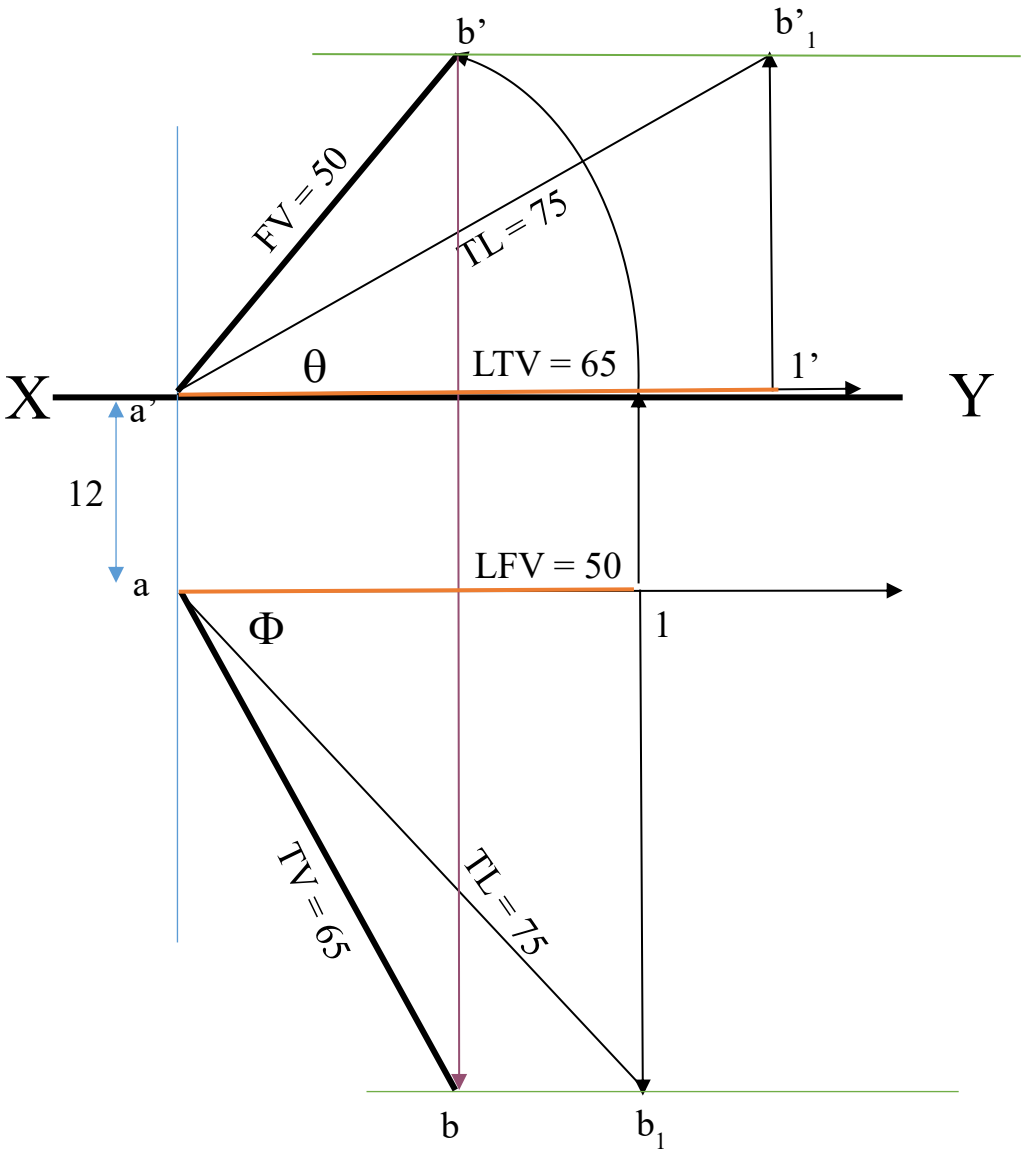
Problem 1:



Problem 2:

SOLUTION STEPS:

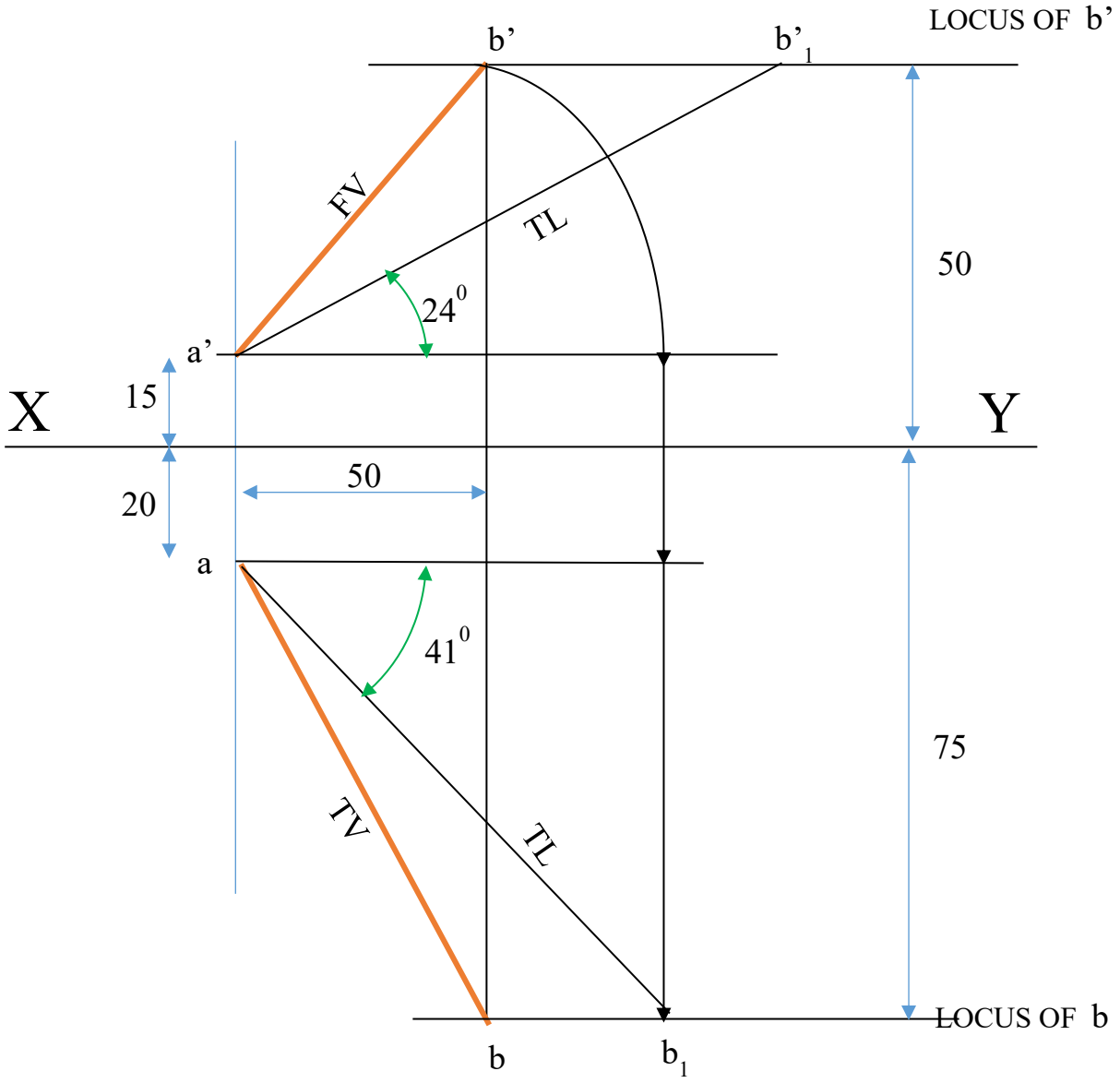
1.Draw XY line and one projector.
2.Locate a' on XY and
a 12 mm below XY line.
3.Draw locus from these points.
4.Cut 65mm distance on locus of a'
& mark 1' on it as it is LTV.
5.Similarly cut 50mm on locus of a
and mark point 1 as it is LFV.
6.From 1' draw a vertical line upward
and from a' taking TL (75mm) in
compass, mark b'_1 point on it.
Join a' b'_1 points.
7. Draw locus from b'_1
8. With same steps below get b_1 point
and draw also locus from it.
9. Now rotating one of the components
i.e., a-1 locate b' and join a' with it
to get FV.
10. Locate TV similarly and measure
angles



Problem 3:

Solution steps:

1.Draw XY line and one projector.
2.Locate a' 15 mm above XY and a 20 mm below XY line.
3.Draw locus from these points.
4.Draw another locus b' at 50 mm above XY and b at 75 mm below XY.
5. Draw vertical line at 50mm from the a' or a (distance between end projectors)
6.Vertical line cuts locus of b' at b' and locus of b at b.
7.Draw line a'-b' which is FV and join a-b which is TV
8. Draw one projector from b' on locus of a and extend up to locus of b and name as b_1.
9.Join a-b_1 which is the TL.
10.Simillary follow same steps above to get b_1'. a'-b_1' is the TL.
Then find out the inclinations



Problem4:

SOLUTION STEPS:-

1. Draw XY line, one projector and locate a' 10 mm above XY.
2. Draw locus 100 mm below XY for points b & b_1
3. Draw loci for VT and HT, 30 mm & 45 mm below XY respectively.
4. Take 45^0 angle from a' and extend that line backward to locate h' and VT. Locate v on XY above VT. Locate HT below h' as shown.
5. Then join v – HT and extend to get top view end b.
6. Draw projector upward and locate b'. Make ab & a'b' dark.
7. Now as usual rotating views find TL and it's inclinations.