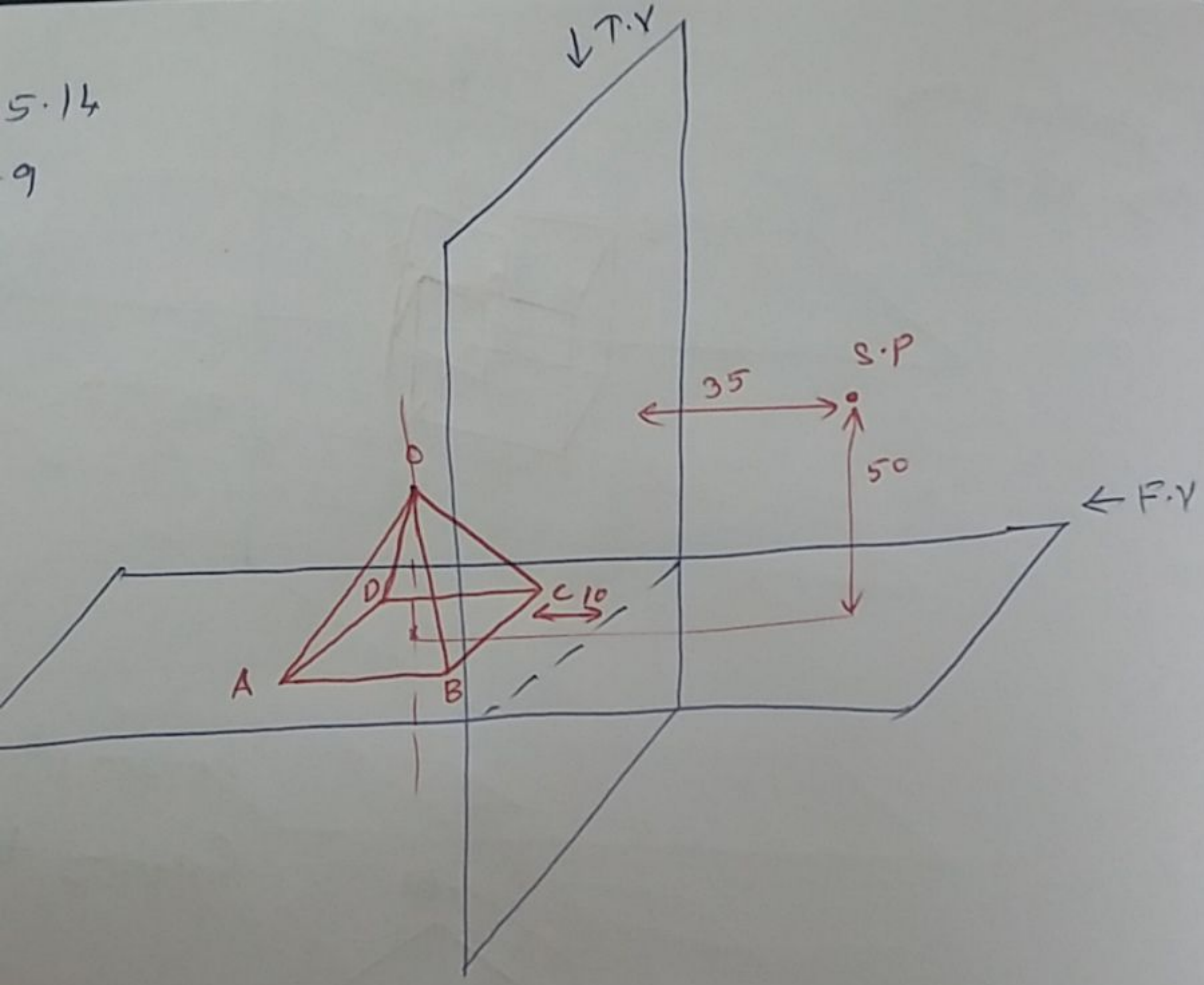
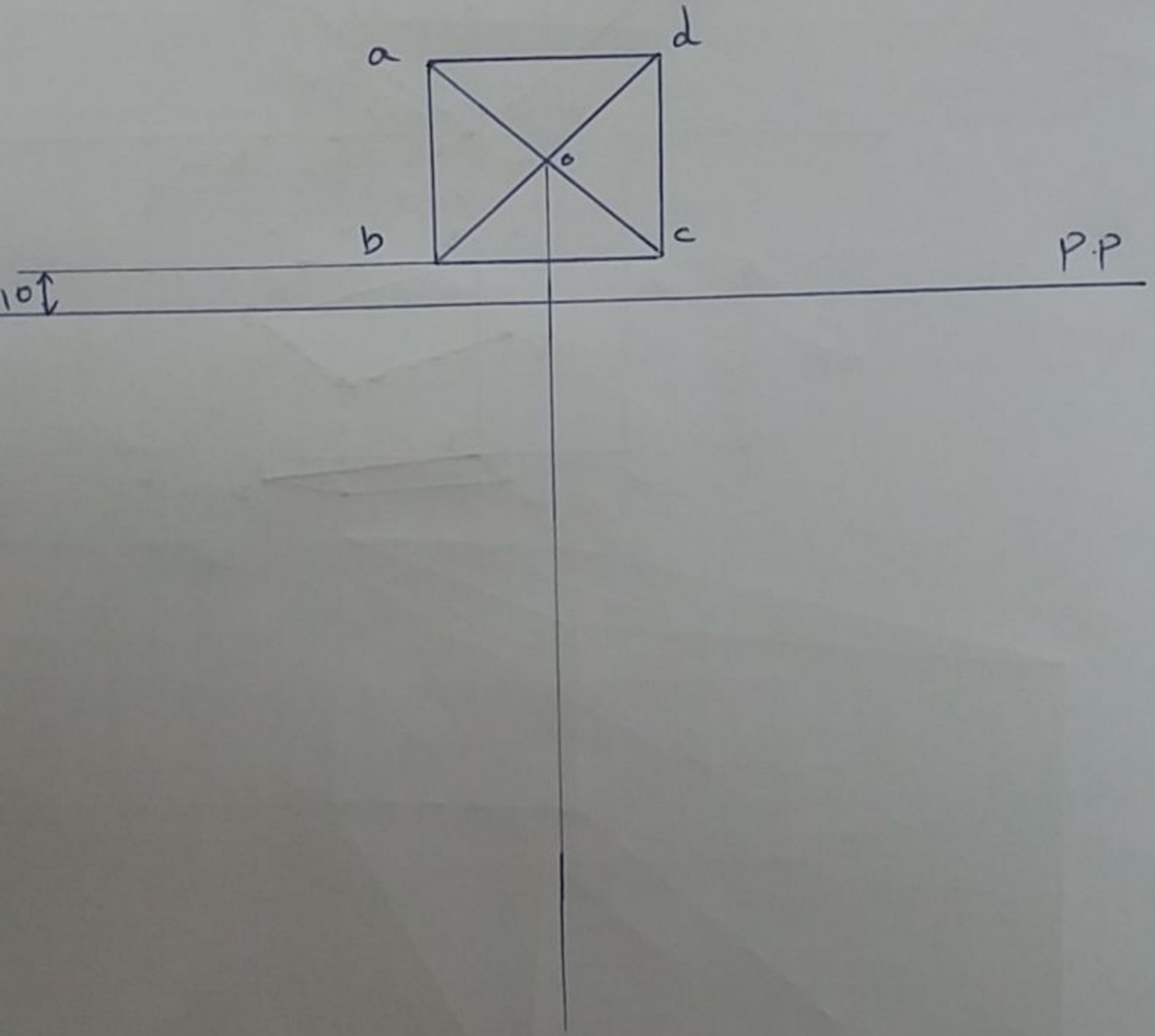
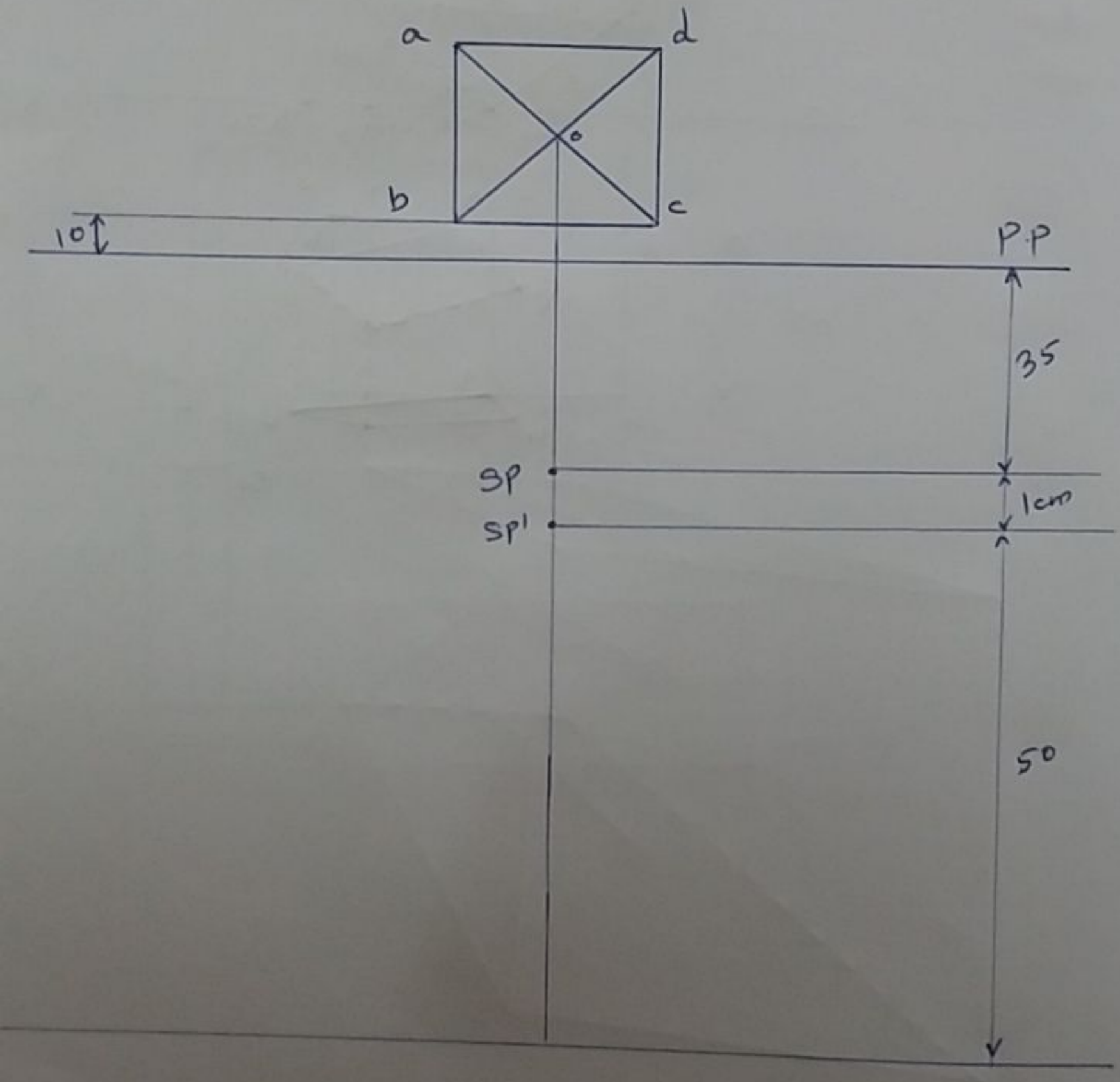
Problem :15.14 *A square pyramid , height 40 mm and above base edge 30 mm is resting on its base with the nearest base edge parallel and 10 mm behind the picture plane. Station point is 50 mm above GP and 35 mm in front of PP. Draw the perspective view if the axis is lying in the CP.*

5.14

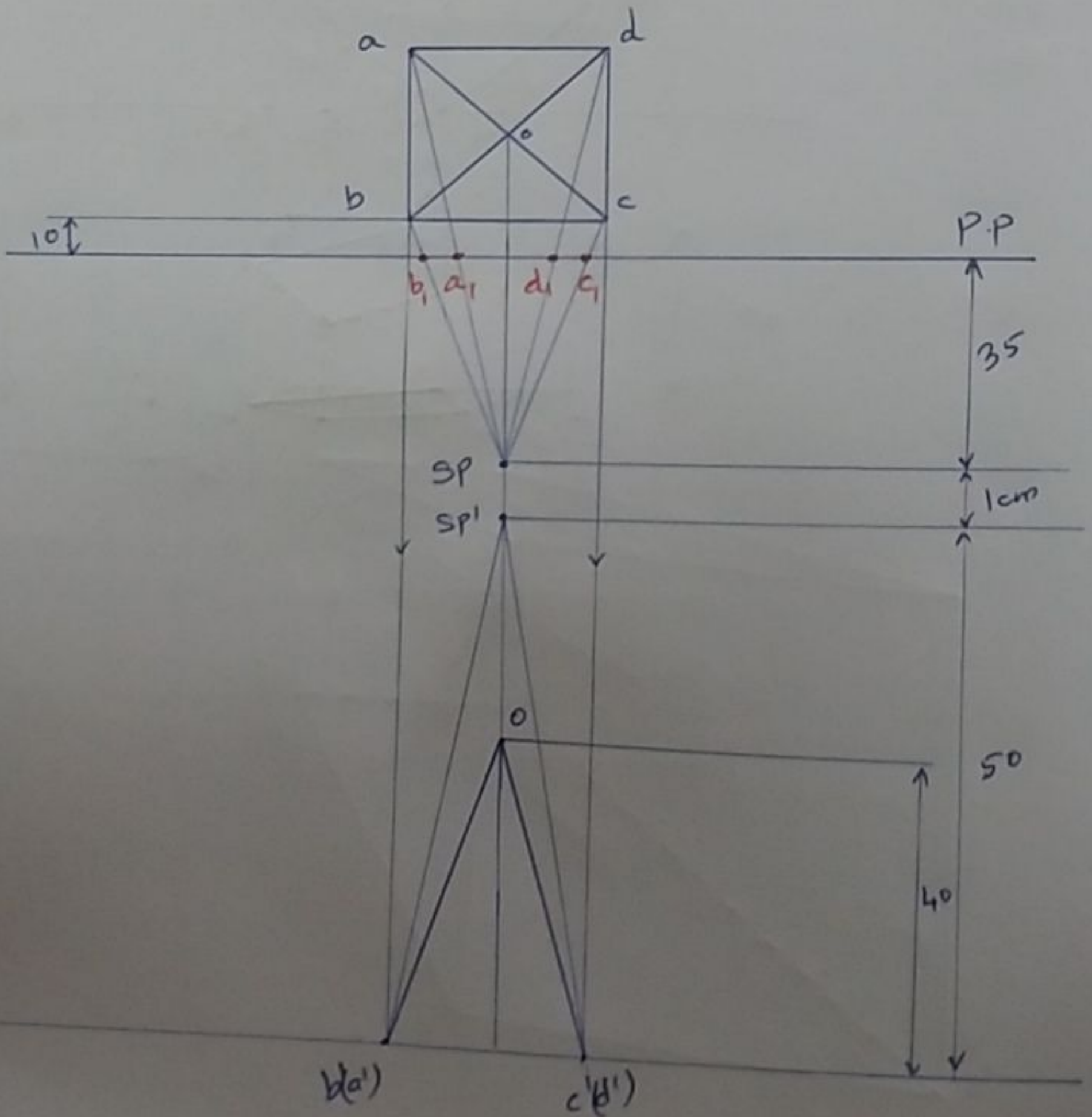
9

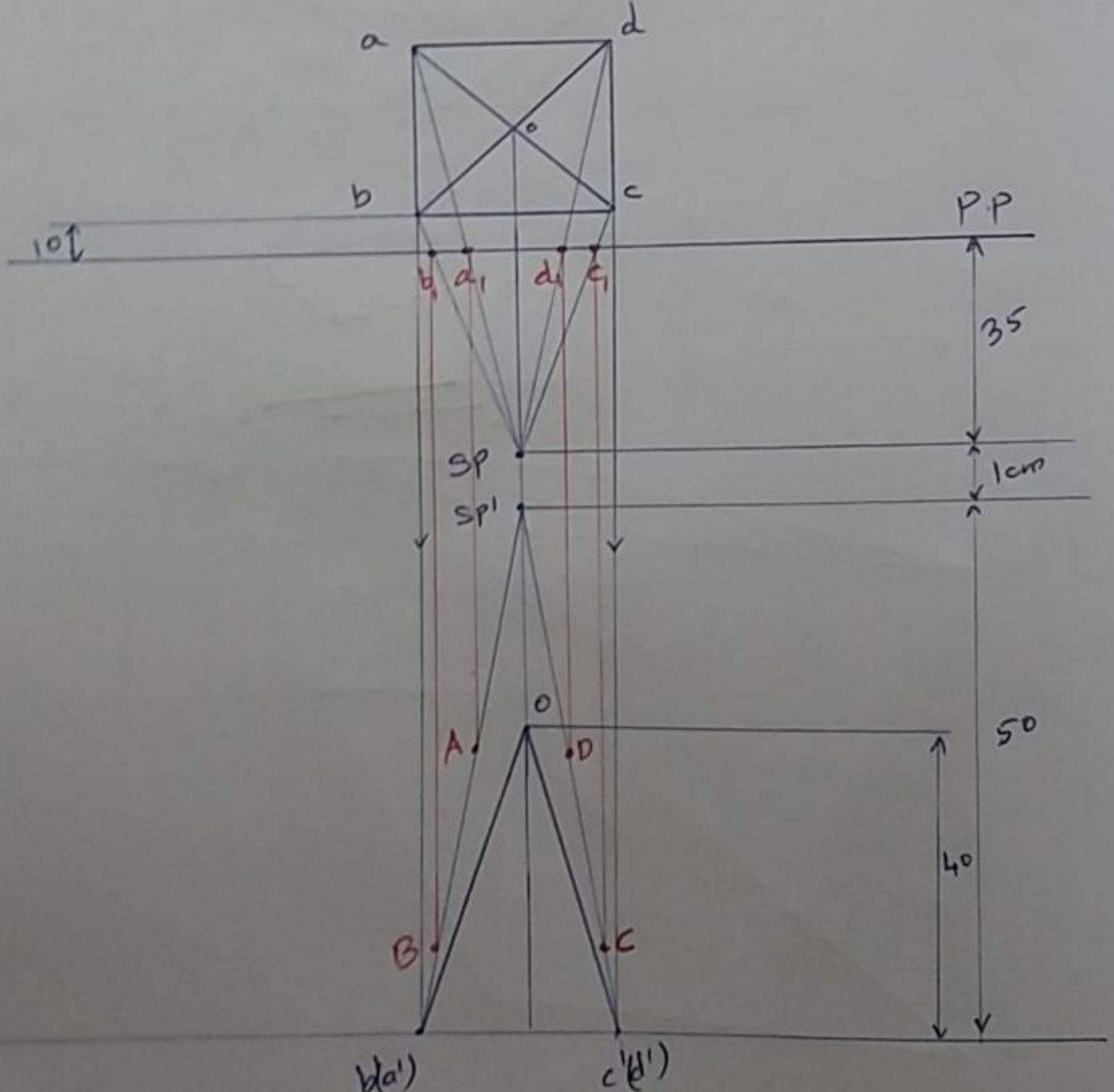



a
d
o
b
c
P.P
10


a
d
o
b
c
10
P.P
35
SP
SP'
1cm
50

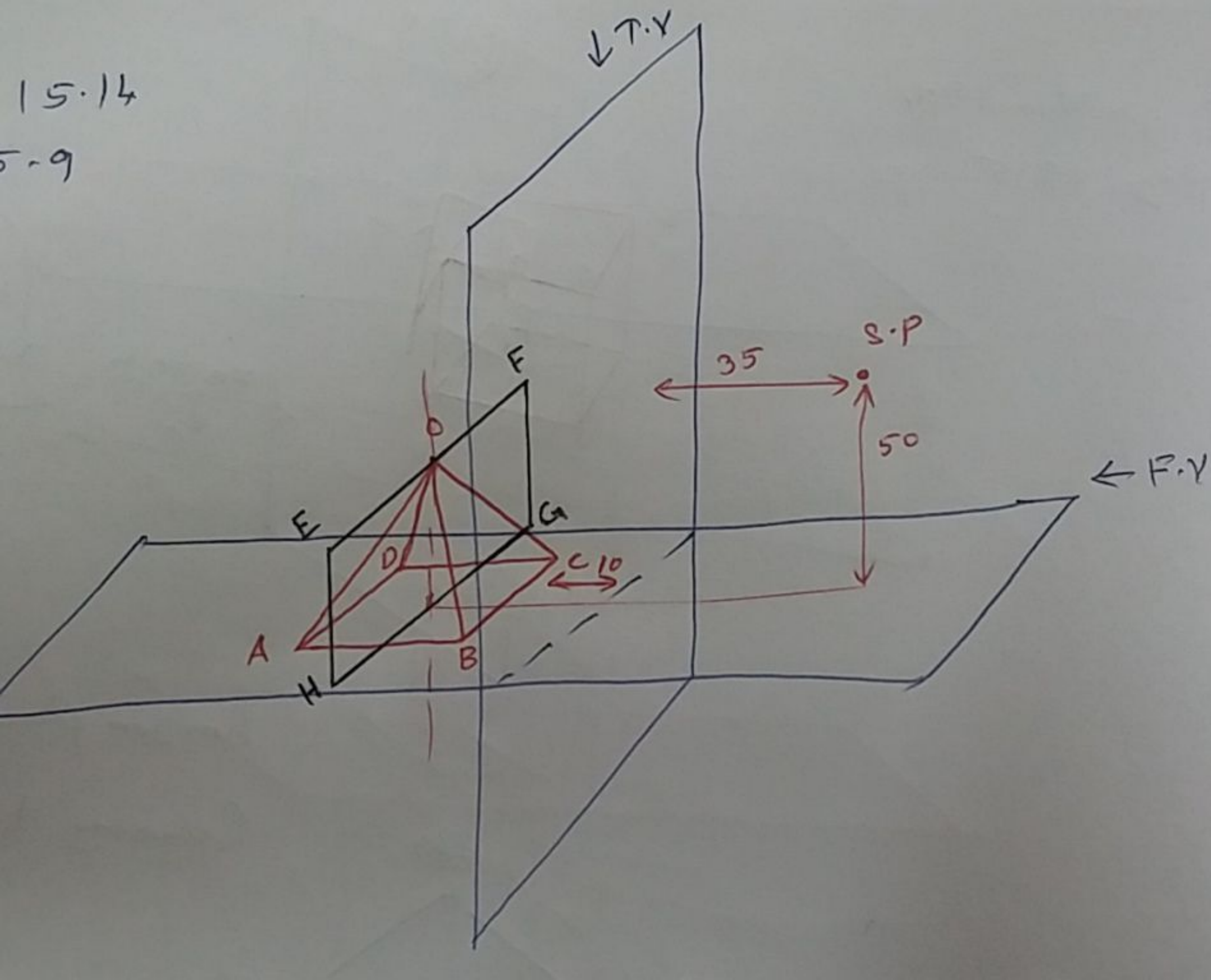
a
d
o
b
c
P.P
10
35
SP
SP'
1cm
50
40
b(a')
c'(d')


a
d
b
c
o
10
P.P
b_1 a_1 d_1 c_1
35
Sp
Sp'
1cm
O
50
40
b'(a')
c'(d')


a
d
o
b
c
P.P
10
b1
a1
d1
c1
35
SP
1cm
SP'
O
A
D
50
40
B
C
b(a')
c'(d')

15.14

5.9



To plot 'O', do imagine a plane EFGH passing through the point O (vertex) such that OE = OF.
Draw the top view of EFGH ie efgh and
Front View of EFGH ie e'f'g'h'.
Draw the perspective projection of EFGH ie
EFGH.

distance of the plane from o to both sides are same

a
d
o
e(h)
f(g)
b
c
P.P
b_1 a_1 d_1 c_1
35
1cm
SP
SP'
50
O
A
D
40
B
C
b(a')
c'(d')

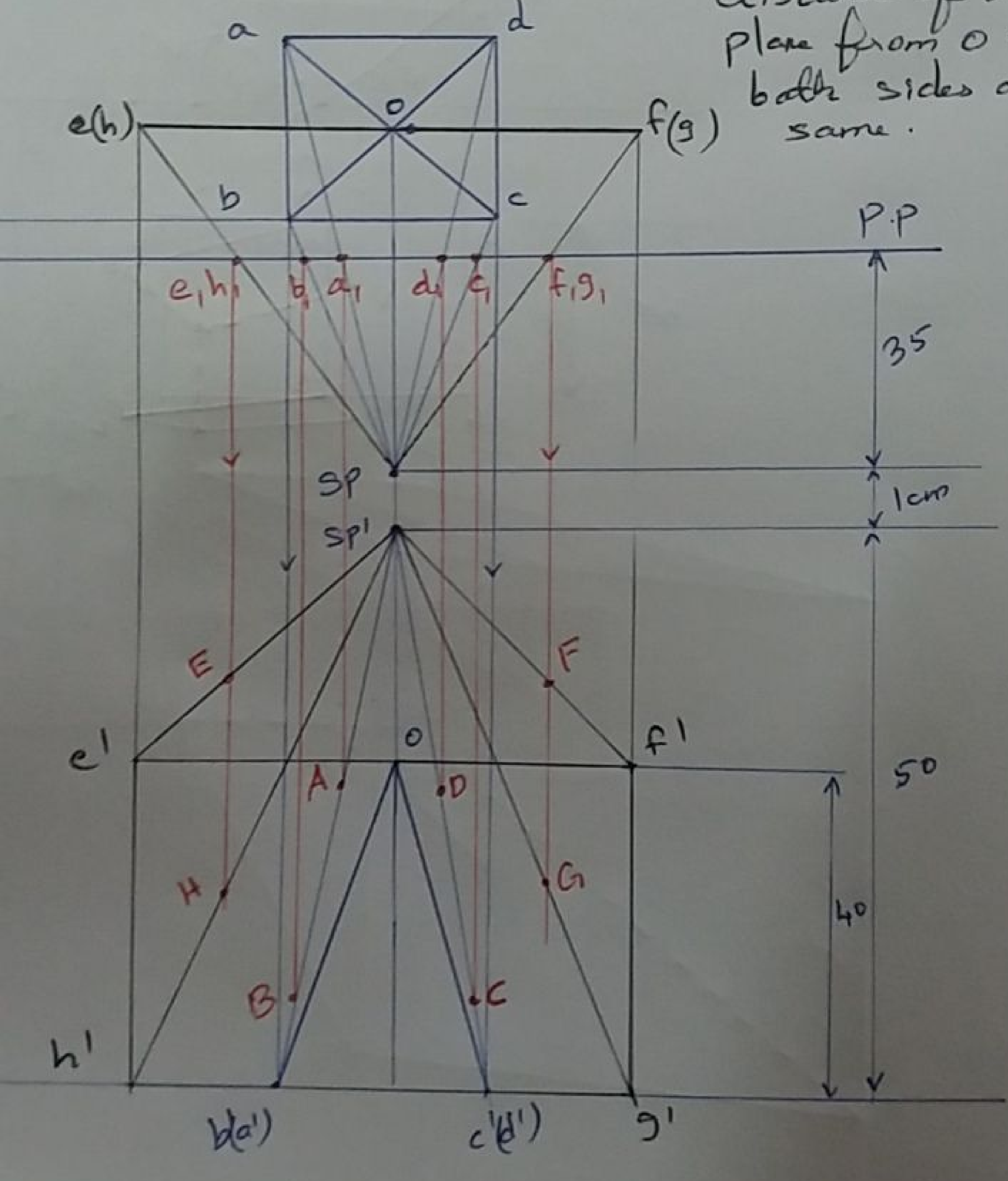
distance of the plane from O to both sides are same.

a
d
e(h)
O
f(g)
b
c
P.P
10
b_1 a_1 d_1 c_1
35
SP
1cm
SP'
e'
O
f'
50
A
D
40
B
C
h'
b(a')
c'(d')
g'

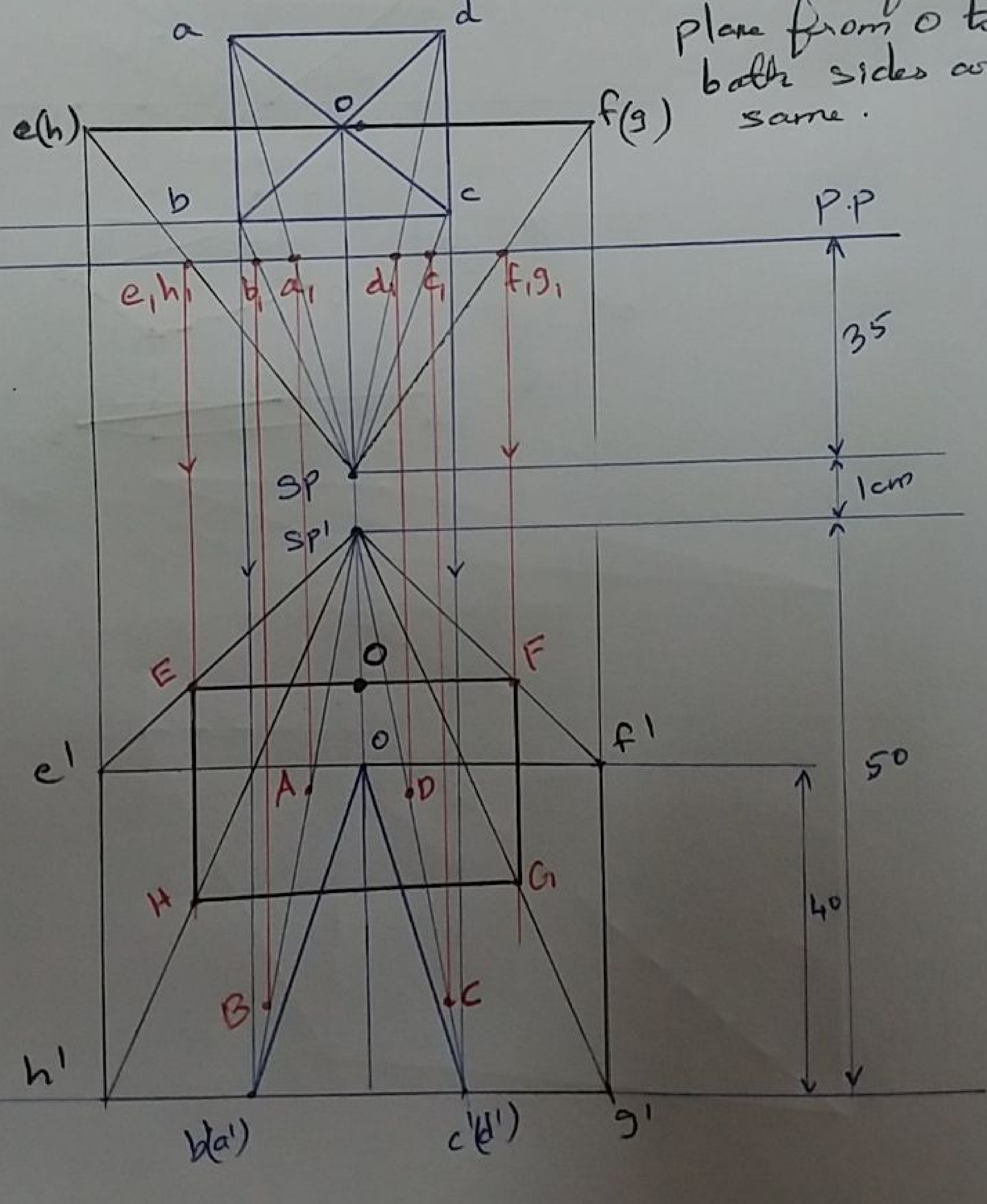
distance of the plane from O to both sides are same.

a
d
e(h)
o
f(g)
b
c
P.P
b_1 a_1 d_1 c_1
35
SP
1cm
SP'
e^1
o
f^1
50
A
D
40
B
C
h^1
$b(a^1)$
$c^1(d^1)$
g^1

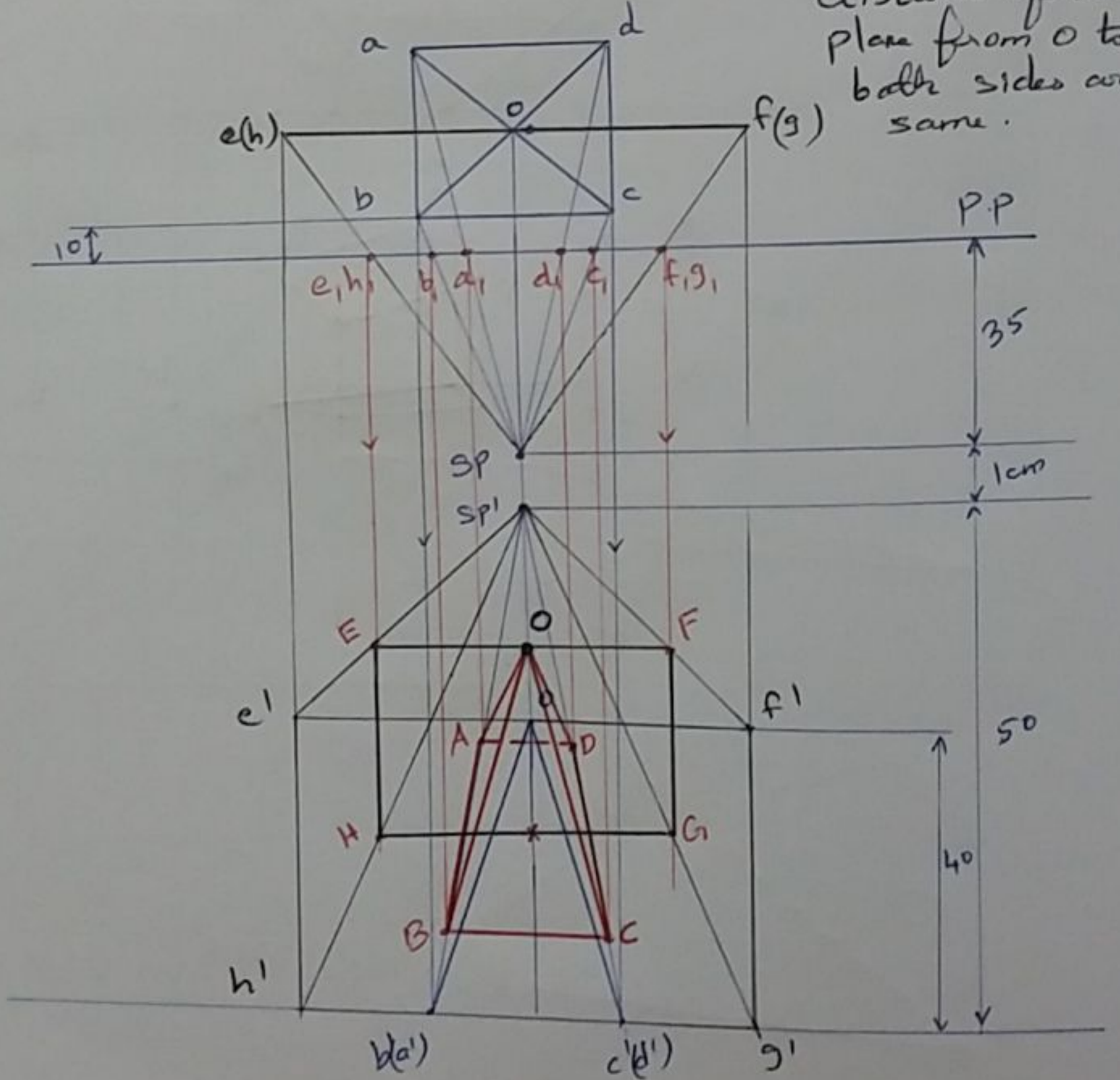
distance of the plane from o to both sides are same.



distance of the plane from o to both sides are same.



distance of the plane from O to both sides are same.



HW QUESTION

11.A pentagonal pyramid of height 45 mm and base edge 30mm is resting on its base with one base edge (**ROLL NUMBER +5**)^0 with picture plane. The entire solid is kept behind the picture plane with a base corner touching the picture plane. The station point is 22mm infront of picture plane, 38mm to the left of the axis and 55mm above the ground plane. Draw the **perspective view**.

NOTE: Mark the angle in the figure i.e if your roll number is 10 you have to mark 15^0 in the figure