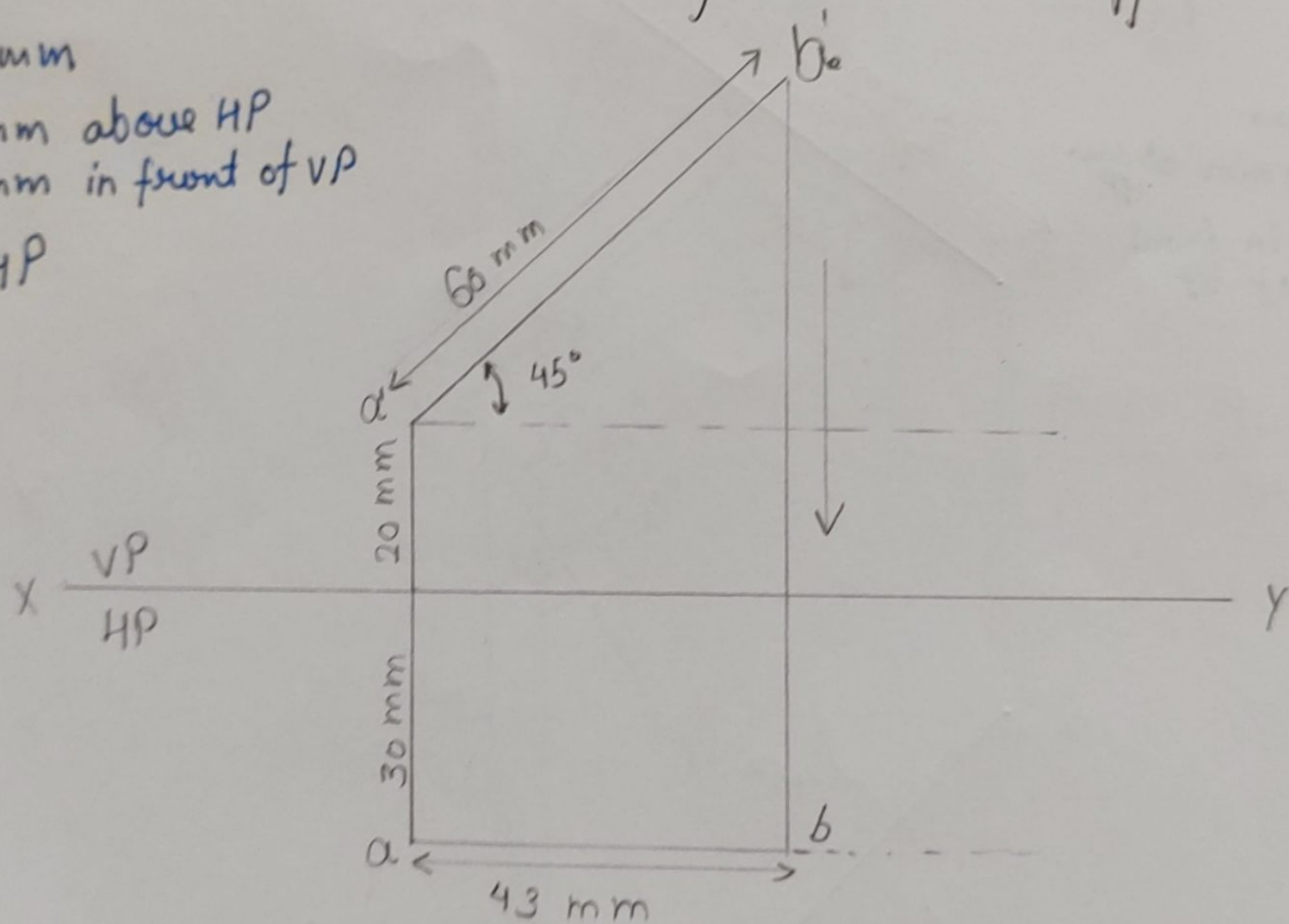1. A line AB 60 mm has its ends A at 20 mm above HP & 30 mm in front of V.P. It is inclined at 45° to HP. Find projection & apparent length

AB → 60 mm

A → 20 mm above HP
   30 mm in front of VP

45° to HP
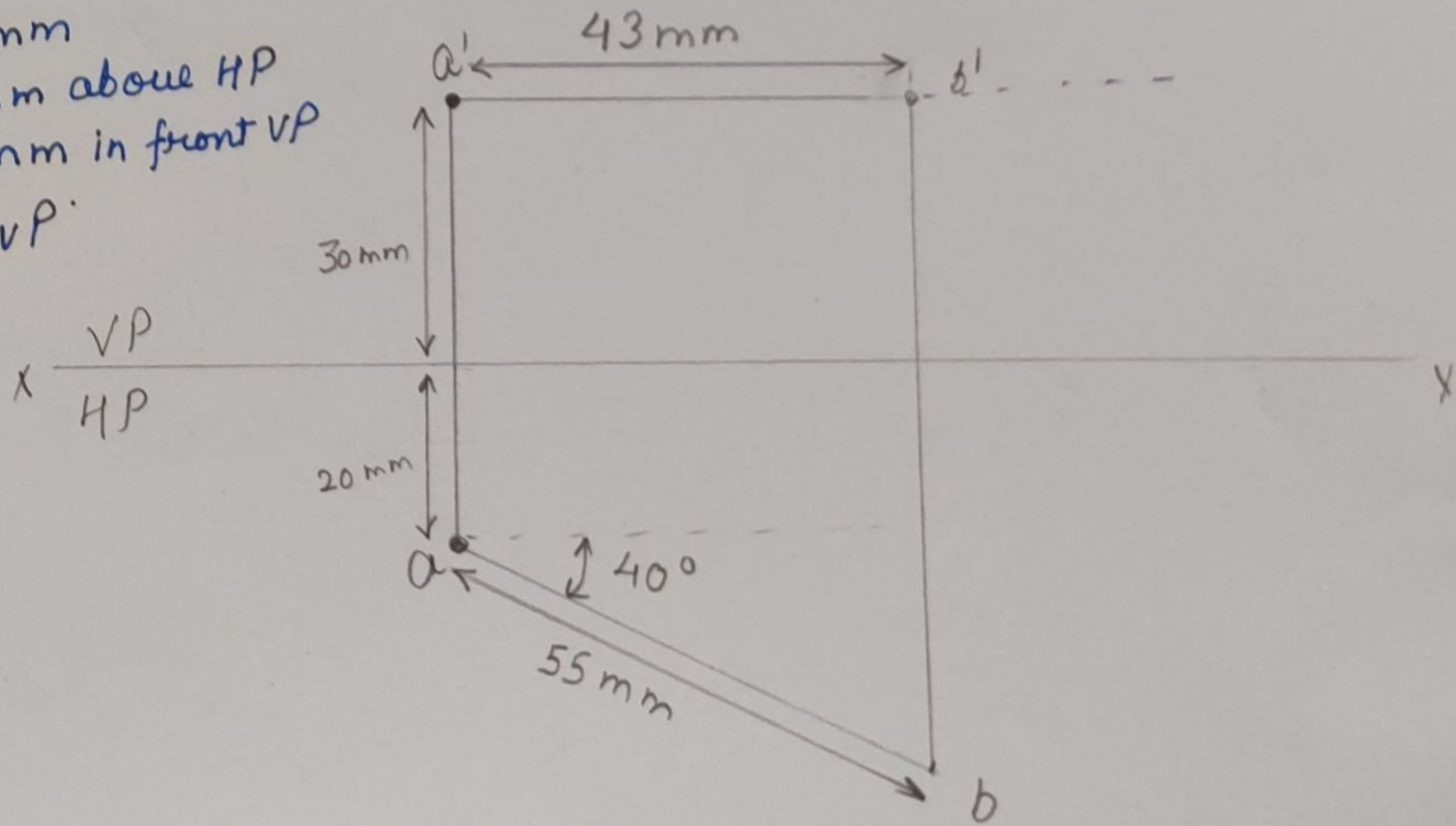
2. A line AB 55mm long has its ends A 30 mm above H.P & 20 mm in front of V.P. It is inclined at $40°$ to V.P. Draw the projects & find apparent length.

AB→ 55mm
A→ 30 mm above HP
B→ 20 mm in front VP

$40°$ to VP

3. A line AB 70 mm long has its ends A 20 mm above HP and 30 mm in front of V.P. It is ~~included~~ inclined at 30° to H.P & 45° to V.P. Draw projection & find its apparent lengths & inclinations.
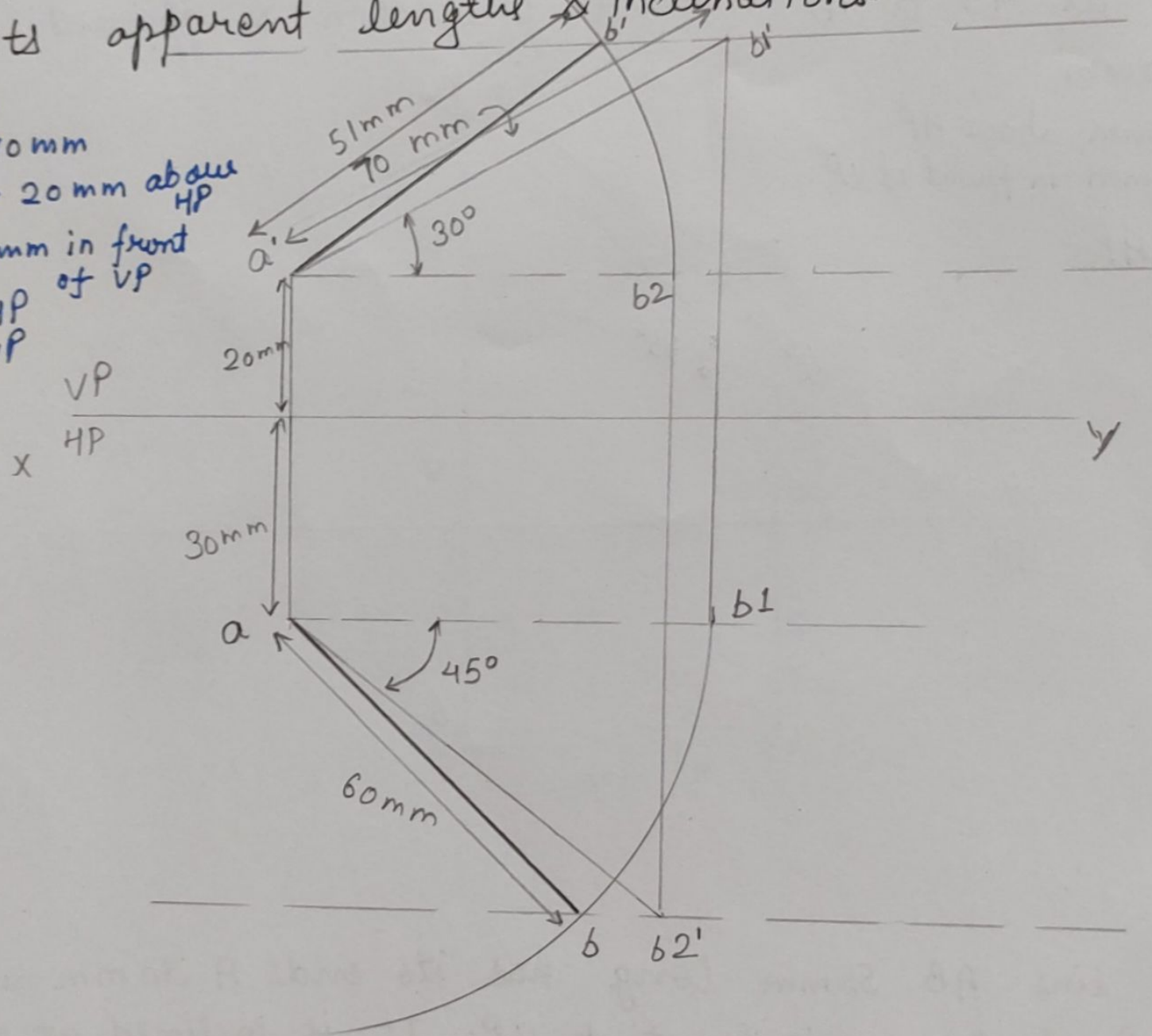
Data→

AB → 70 mm

~~20~~ A → 20 mm above HP

→ 30 mm in front of VP

30° to HP

45° to VP

51 mm

70 mm

30°

b'

b₁'

62

VP

HP

X

Y

20 mm

30 mm

a

45°

b₁

60 mm

b   62'

a'

→ Q.4. A line AB 60 mm long as ends A on VP and HP. It is inclined at 30° to HP and 45° to VP. Draw project, apparent line & inclination

AB→60 mm
A → on VP & HP
30° to HP
45° to VP