Questions

Q1. A right regular pentagonal prism edge of base 25 mm and height 55 mm rest on an edge of its base in HP such that axis is parallel to VP and inclined to HP at 45°. Draw projections of solid.

Q2. A right regular hexagonal pyramid edge of base 23 mm and height 52 mm rest on one of its base edge in HP with its axis parallel to VP. Draw projections of pyramid when base makes an angle of 45° to the HP by change of position of solid.

Q3. A hexagonal prism edge of base 25 mm and height 56 mm rest on one of its base edge in HP such that its axis is parallel to the VP. Draw projections of solid when its base makes an angle of 45° with HP or when its axis is inclined to HP or when rectangular face containing base edge is inclined to HP at 45°.

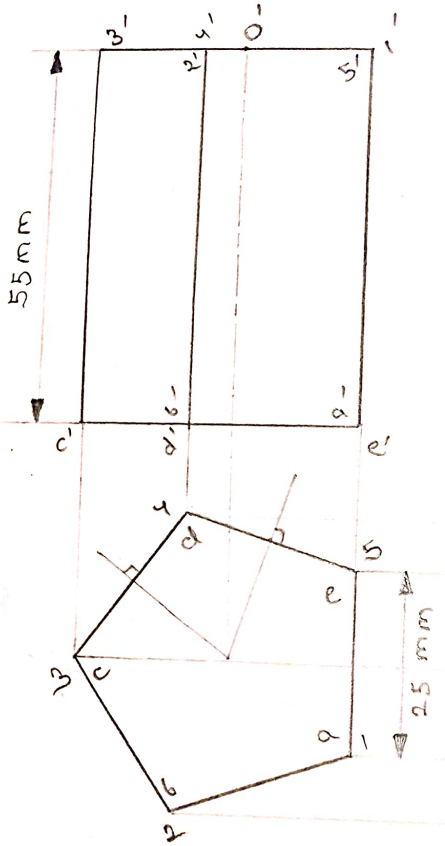
Q4. A right circular cone diameter of base 40mm and height 52 mm rest in HP on its base rim such that axis is parallel to VP and its base inclined to HP at 45°. Draw its projections by change of position of solid.

Q5. A right regular pentagonal prism side of base 25 mm and axis 50 mm long lies on HP on one of its rectangular faces such that axis is parallel to HP and inclined to VP at 30°. Draw its projections by change of position of solid.

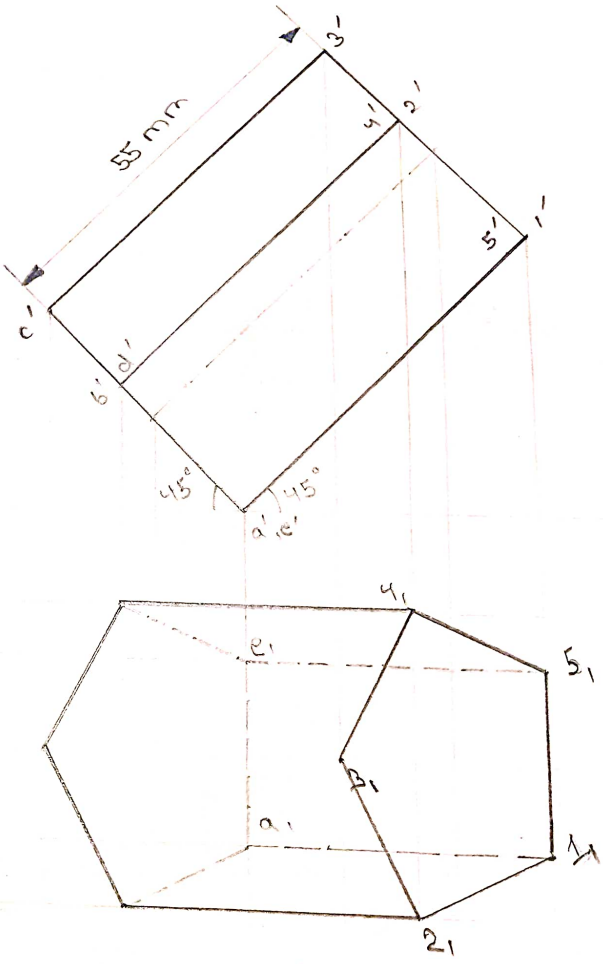
Q6. A right regular pentagonal pyramid side of base 25 mm and height 50 mm lies on HP on one of its slant edges and has its axis parallel to VP. Draw its projections.

Q7. A right regular pentagonal pyramid side of base 25 mm and height 50 mm lies on one of its triangular faces on HP with its axis parallel to the VP. Draw the projections of the pyramid.

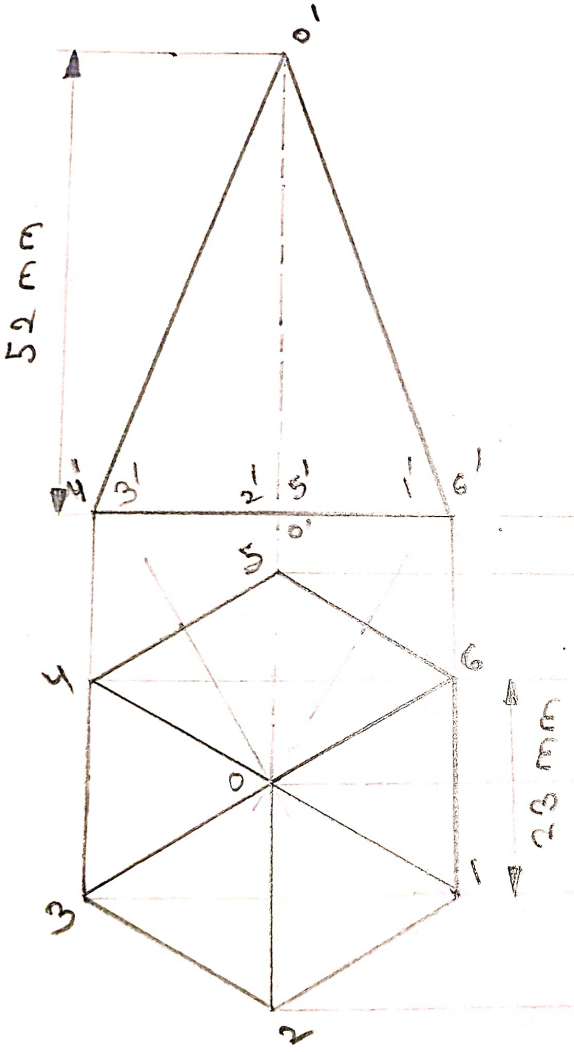
1.

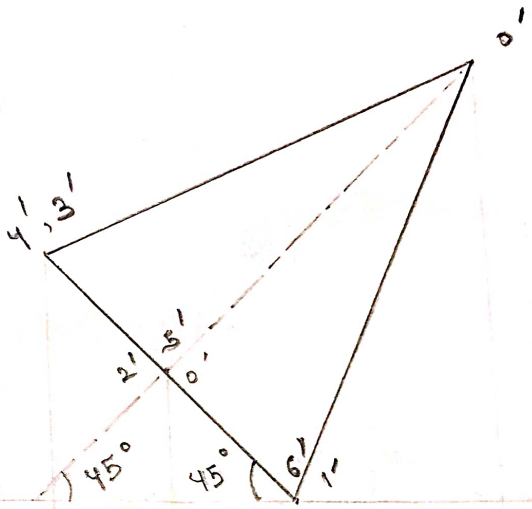

3'
4'
0'
1'
2'
5'
55mm
6'
a'
c'
d'
e'
4
d
5
e
3
c
25mm
a
1
6
2

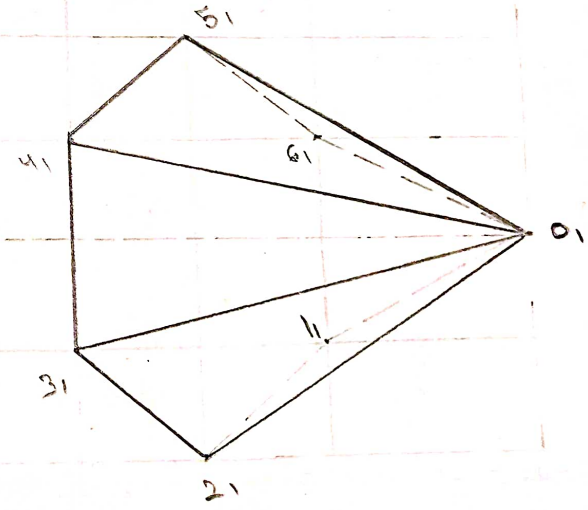
2.


3'
55mm
4'
2'
1'
5'
c'
d'
6'
45°
45°
a'
e'
4,
e,
5,
a,
1,
2,

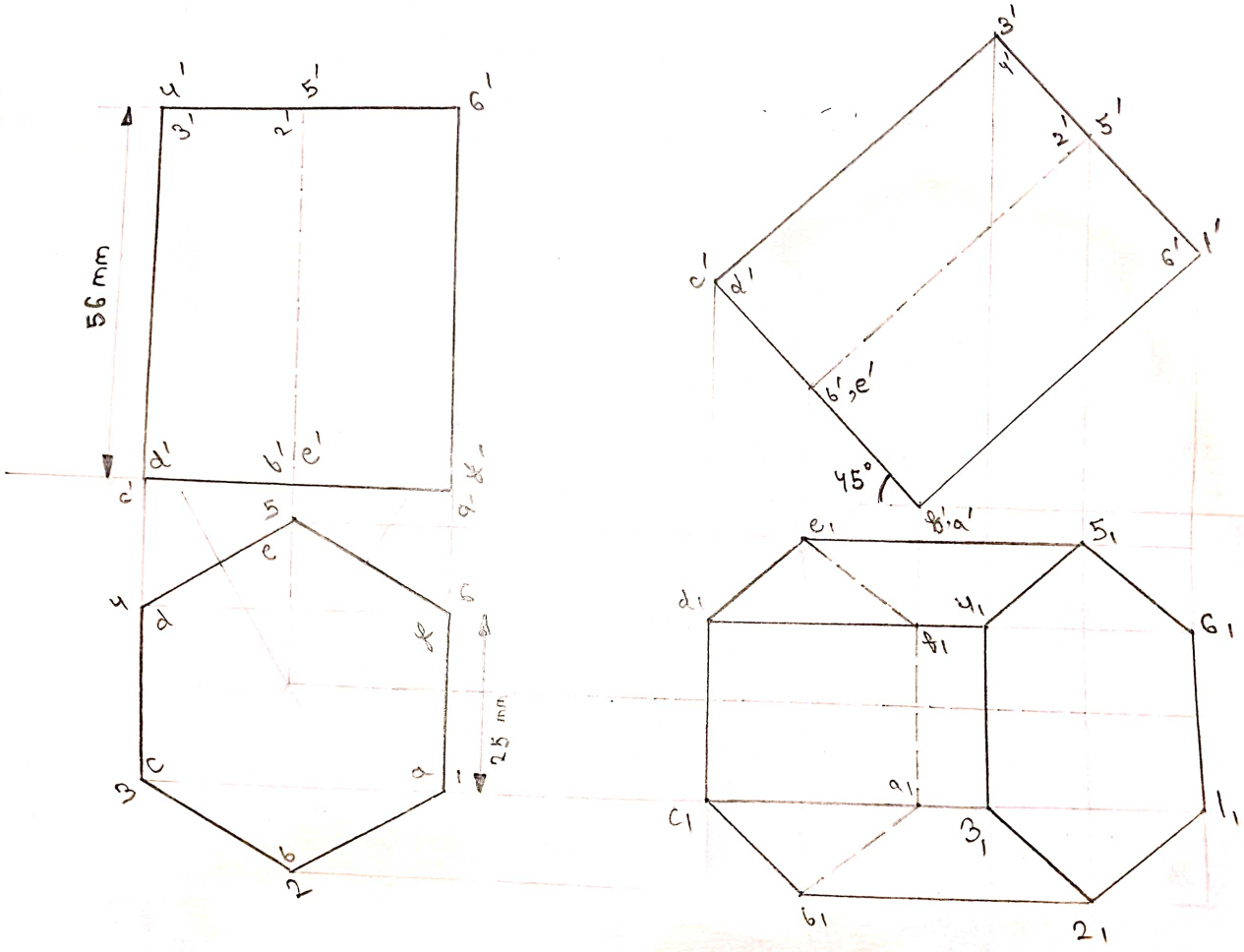
2.



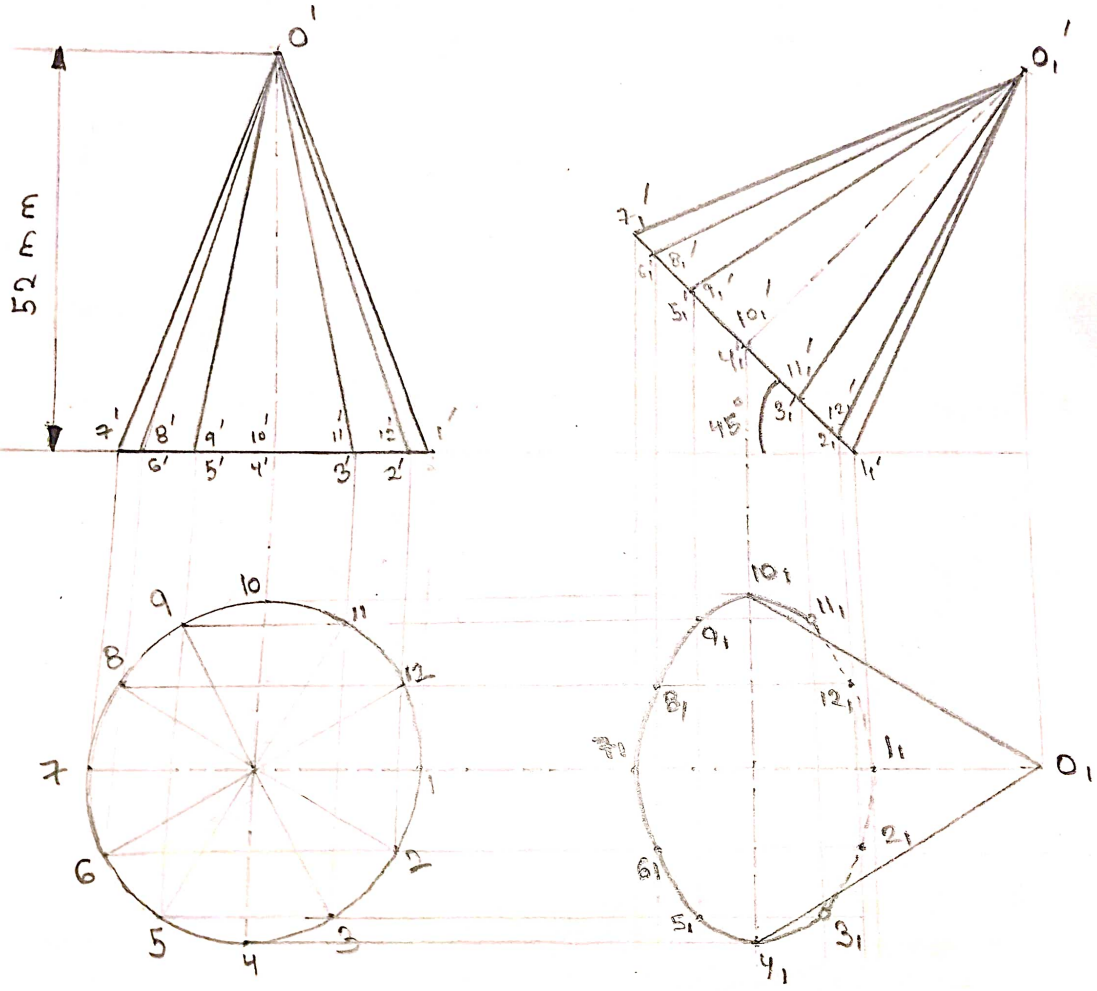




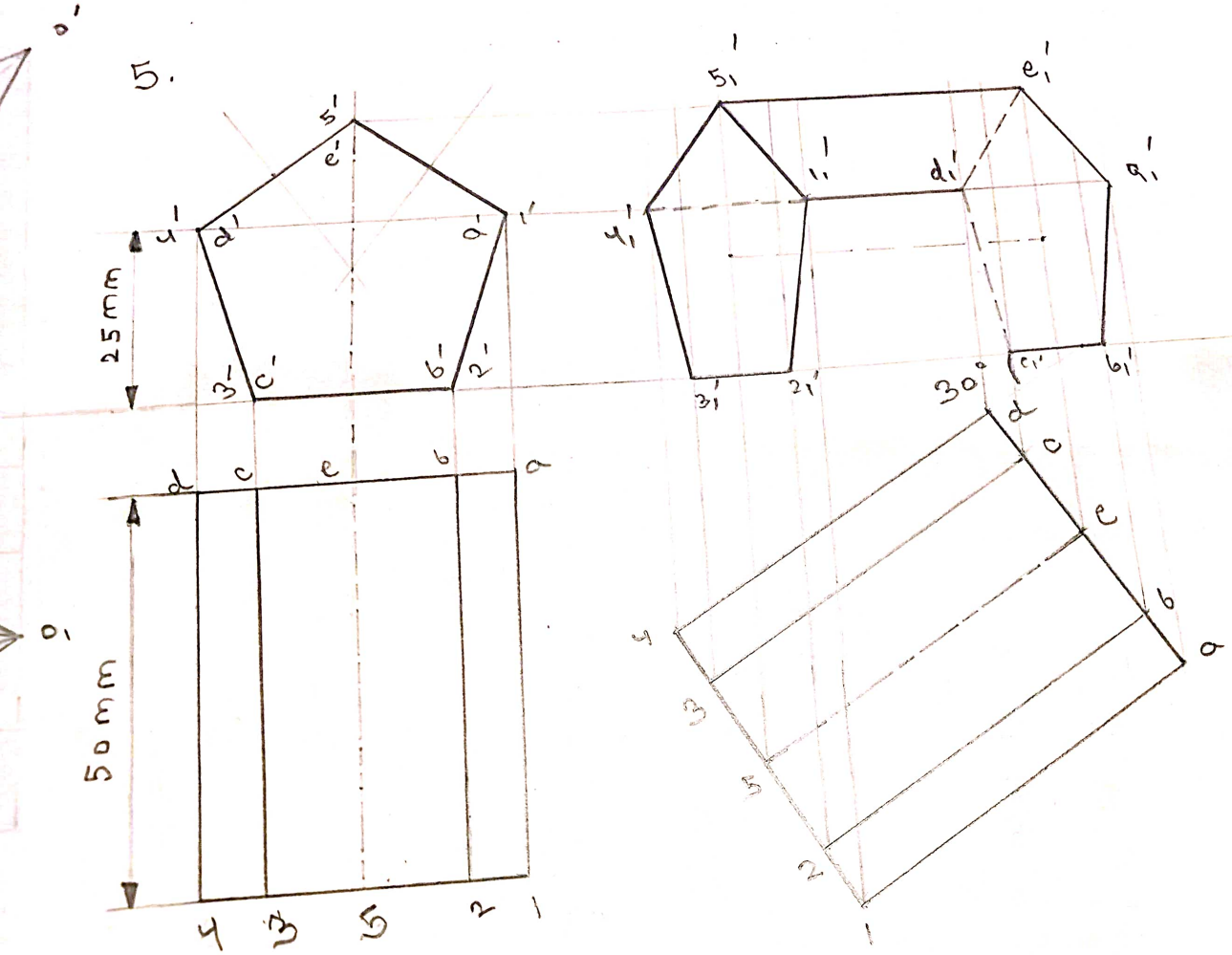
3.


4'
5'
6'
3'
2'
56 mm
d'
b'/e'
c'
a'
5
e
4
d
f
6
c
a
3
1
b
2
25 mm
3'
4'
2'
5'
c'
d'
1'
6'
b',e'
45°
b'a'
e1
5,
d1
4,
f1
6,
a1
c1
3,
1,
b1
2,

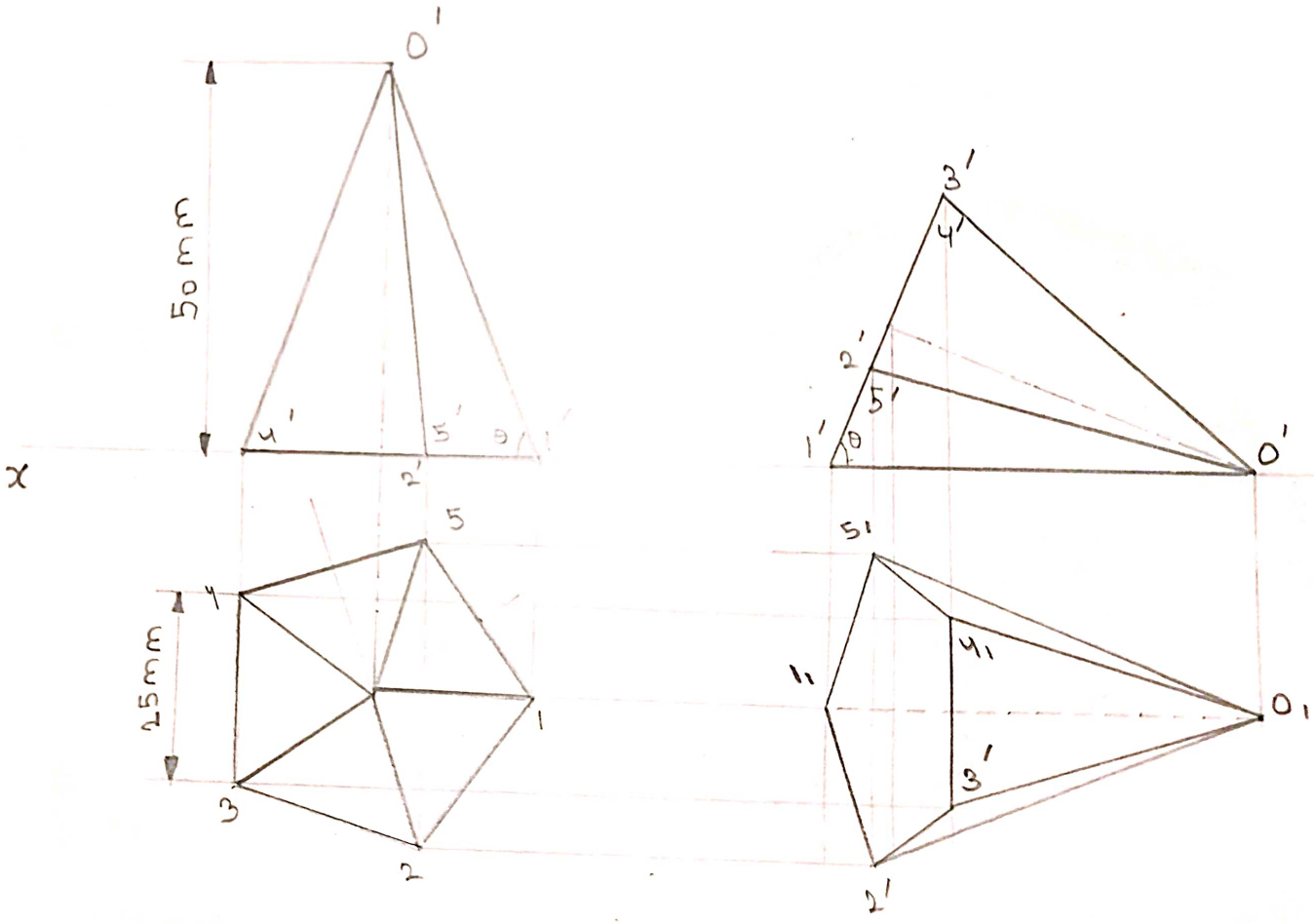
4.


52 mm
O'
7' 8' 9' 10' 11' 12' 1'
6' 5' 4' 3' 2'
O1'
7'1 8'1 9'1 10'1 11'1 12'1 1'1
6'1 5'1 4'1 3'1 2'1
45°
7 8 9 10 11 12 1
6 5 4 3 2
7₁ 8₁ 9₁ 10₁ 11₁ 12₁ 1₁
6₁ 5₁ 4₁ 3₁ 2₁
O1

5.


5'
e'
4'
d'
a'
1'
25mm
3'
c'
b'
2'
d
c
e
b
a
50mm
4
3
5
2
1
5'1
e'1
d'1
a'1
4'1
1'1
3'1
2'1
c'1
b'1
30°
d
c
e
b
a
4
3
5
2
1

6.



7.