A hexagonal pyramid, base edge 70mm and height 122mm, stands on its base on the ground with two base edges parallel to V.P. It is cut by an AIP inclined at 150 to HP in CCW direction and bisecting the axis. Draw the development of lateral surfaces of the cut solid if it is to be opened from the left slant edge nearest to observer in CCW direction.

A square plate PQRS of 40 mm side is having its corner P on HP and 62 mm from VP. P is to the left of the observer. Diagonal PR is parallel to VP and the surface is inclined at 42° to HP. Draw the projections of the lamina in 1st Quadrant.

A pentagonal pyramid (base edge 52mm, height 100 mm) rests on its base on ground with one base edge parallel to VP and towards the observer. It is cut by an AIP inclined at 52o to HP in CCW direction and passing through the axis at a distance of 40mm from the apex. Draw the projections of solid showing the sectional view in 3rd quadrant.