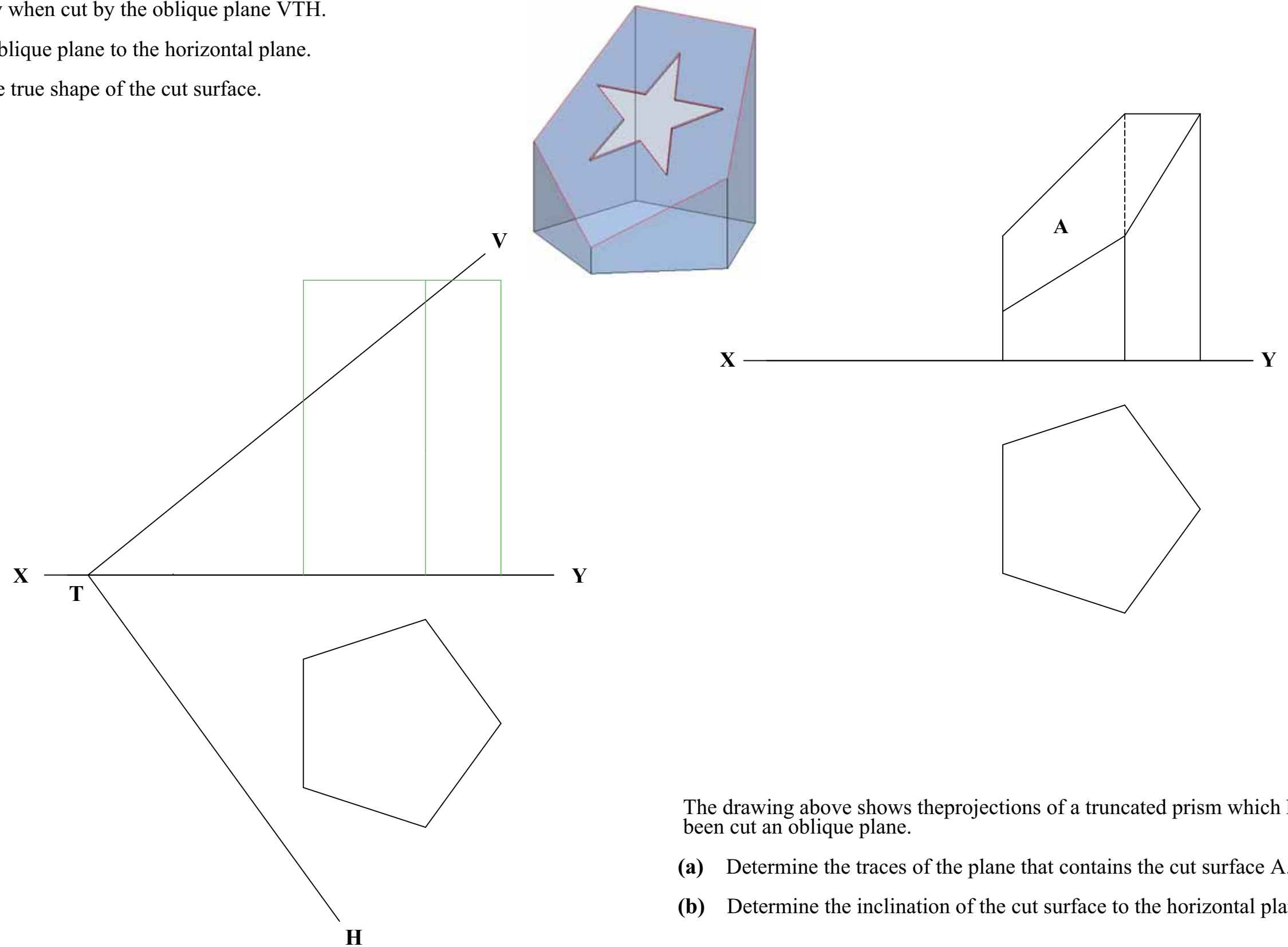


The 3D graphic on the right shows a glass trophy which has been engraved as shown. The trophy is based on a truncated pentagonal prism.

The drawing below shows the projections of the prism and the traces of the oblique plane VTH. trophy is cut to form the sloping face.

- (a) Draw the projections of the trophy when cut by the oblique plane VTH.
- (b) Determine the inclination of the oblique plane to the horizontal plane.
- (c) Hence, or otherwise, determine the true shape of the cut surface.



The drawing above shows the projections of a truncated prism which has been cut an oblique plane.

- (a) Determine the traces of the plane that contains the cut surface A.
- (b) Determine the inclination of the cut surface to the horizontal plane.

