

## GeoGebra Tutorial: Drawing a “3D” Figure

1. Select the polygon tool . Click (0,0), (4,0), (6,2), (2,2) and (0,0) again to create a polygon ABCD. Set it black and transparent.
2. Select the point tool . Create a point at (3,7). Rename it as V.
3. Select the segment tool . Join V and A, V and B, V and C, V and D.
4. Select the point tool . Create a point somewhere on the segment VA. Rename it as P.
5. Select the parallel line tool . Click P then the segment BC.
6. Select the point tool . Create the point of intersection. Rename it as Q.
7. Hide the line PQ. Create the segment PQ, PB and QC.
8. Decorate the segments PQ and BC with .
9. Select all line segments. Set the line thickness 4.
10. Change AD, CD and VD to dotted line style.
11. Set the caption of both AB and BC “20 cm”.
12. Select the angle tool . Measure angle PAB and angle PBA. Set their captions “72°” and “60°” respectively. Set them black and transparent.
13. Select all points. Set their color black and size 1.
14. Adjust the position of the point P and all labels to make the figure nice-looking.
15. Hide the axes and grid. Copy the figure to Microsoft Word.

