

COMPUTER AIDED DESIGN AND COMPUTER AIDED MANUFACTURE
VINYL CUTTERS - EXAMINATION QUESTION

V.Ryan © 2000 - 2013

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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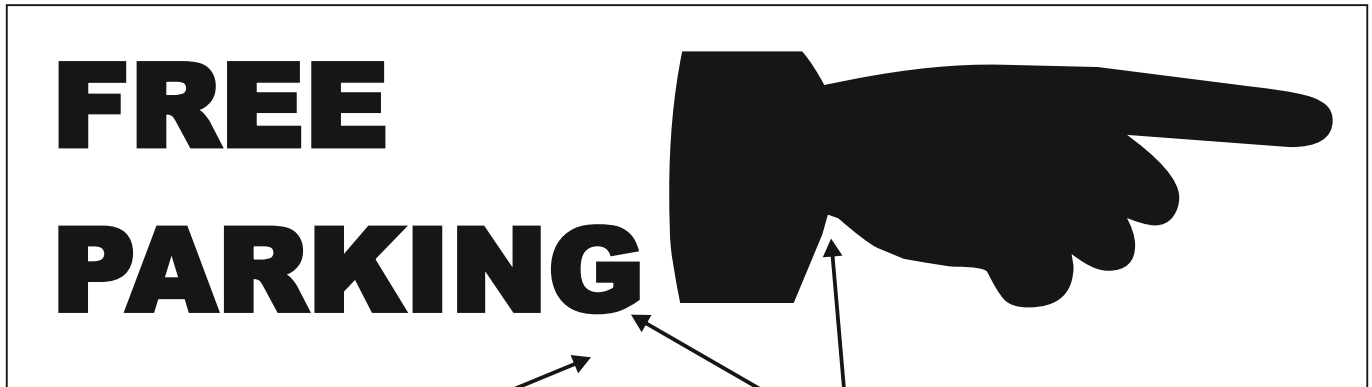
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A local company designs and manufactures a variety of road signs, for special events.

An example of one of their signs is shown below.



WHITE PERSPEX/ACRYLIC BACKGROUND

BLACK SELF ADHESIVE VINYL LETTERING

Using sketches and notes clearly show how you would:

design the images and text,

cut and stick images to a sheet of white acrylic/perspex.

At each stage, name the equipment or software you would use.

Stage 1 has been completed for you.

Stage 1: Design letters and direction sign using Computer-Aided Design (CAD) software



Techsoft 2-D Design computer software or CraftRobo software is used to draw the design.

Stage 2: Cut letters and direction sign using Computer-Aided Manufacturing (CAM)

Stage 3: Weeding (removing unwanted vinyl)

Stage 4: Use low tack film/tape is used to lift the vinyl letters and direction sign from the backing film.

Stage 5: Position the lettering and arrow before removing the low tack film to reveal the final sign