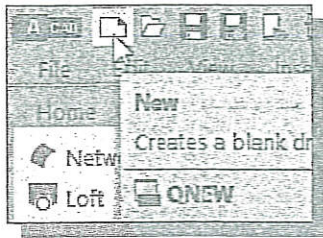


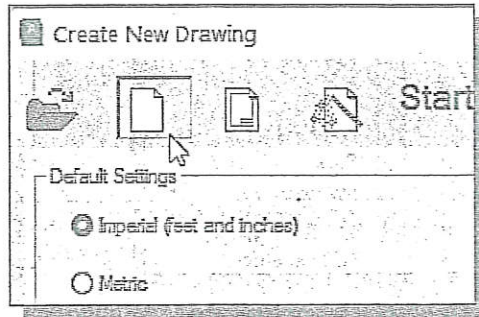
CADM205 – Chapter 5: Lesson and Assignments

This exercise is intended to test students' ability to follow instructions and learn something new at the same time. The instructions follow. Let me know if you have any questions.

Start a New Drawing and Layers Setup



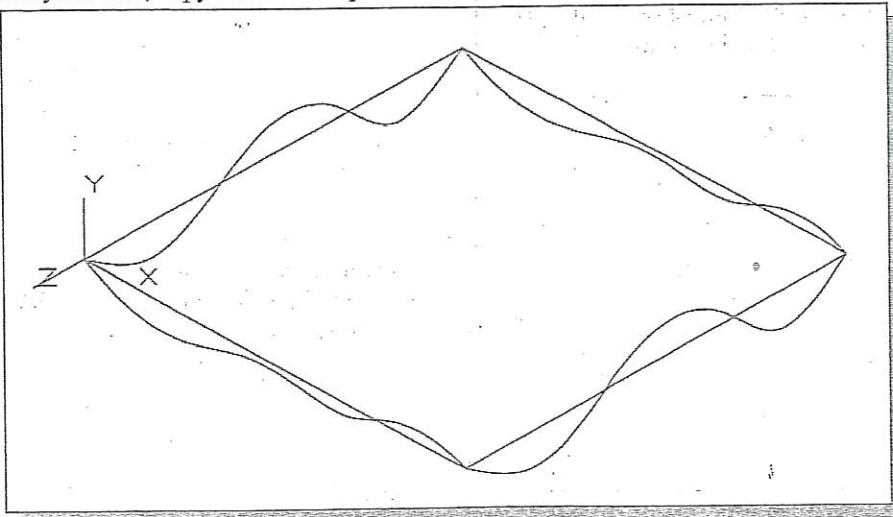
1. In the Menu Bar, select [Tools] → [Toolbars] → [AutoCAD] → [Layers].



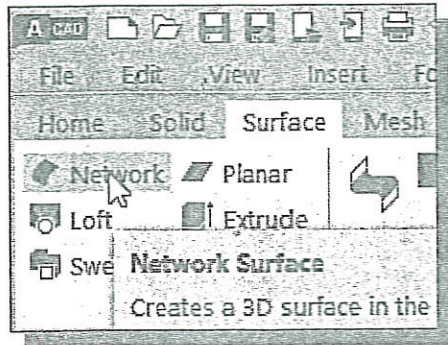
2. On your own, choose the Imperial units and start a new drawing.

1, 2 all the way to 18

18. On your own, copy the second spline to the back side as shown.

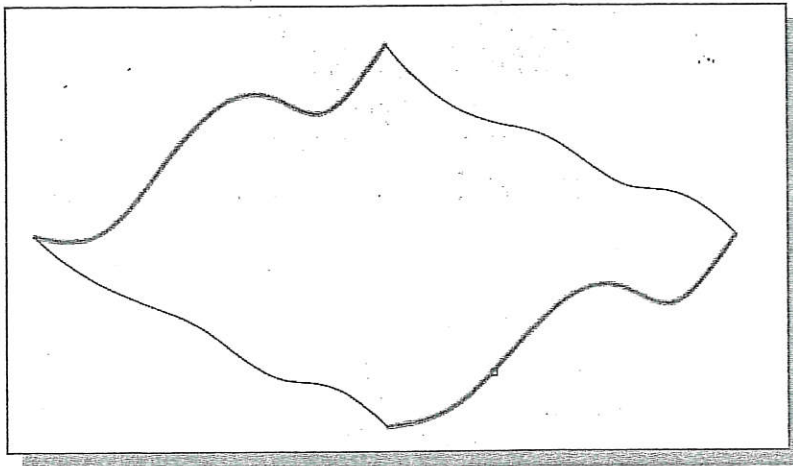


Create a Network Surface



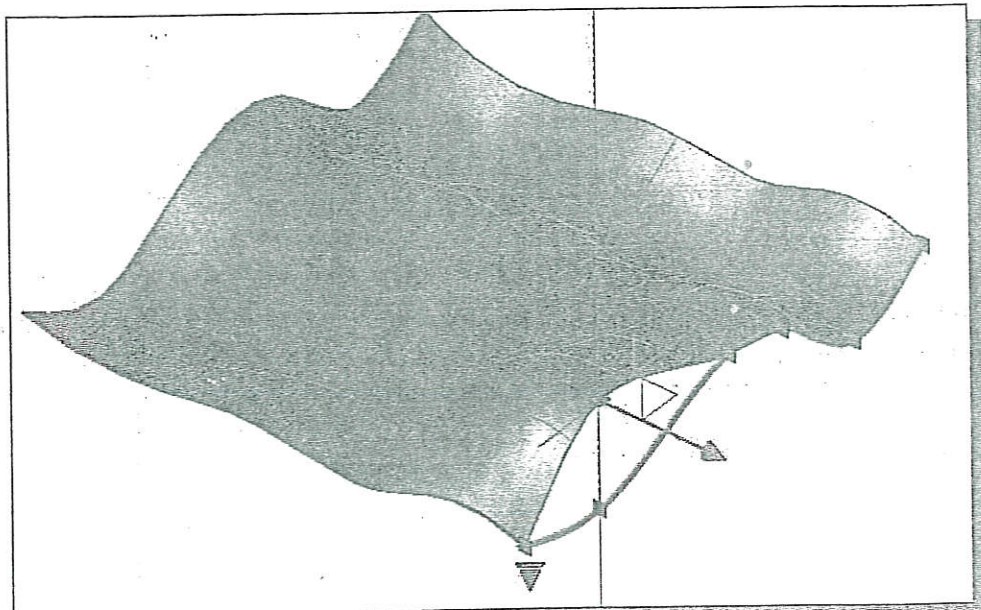
1 In the *Create* toolbar, activate the **Network Surface** command as shown.

2 In the command prompt area, the message “*Select curves or surface edges in first direction:*” is displayed. Pick the left and right curves as shown.

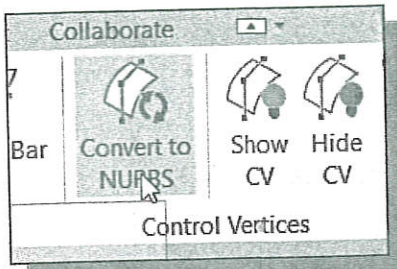


↓ 1, 2 all the way to 6

6 Click on the right edge of the 3D surface model and use the grip point control to adjust the 3D surface.

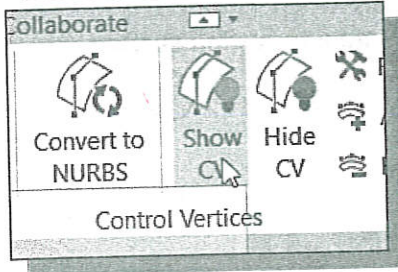


Convert the Network surface to a NURBS surface



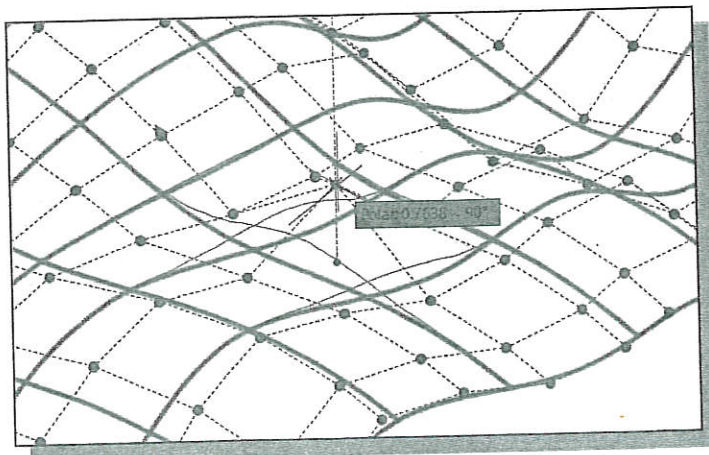
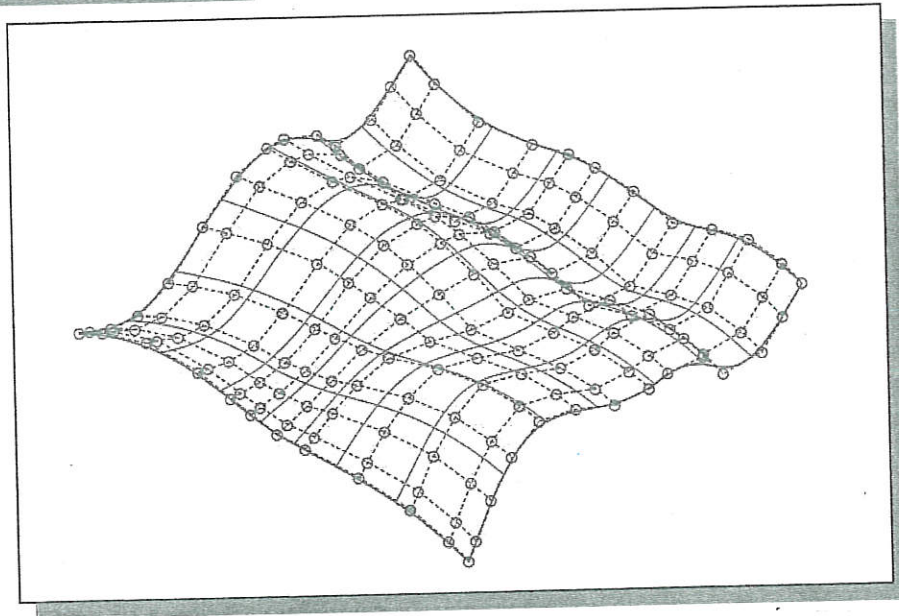
1. In the *Control Vertices* toolbar, activate the **Convert to NURBS** command as shown.

2. Select the surface and click right-mouse button once to convert the surface.



3. In the *Control Vertices* toolbar, activate the **Show CV** command as shown.

4. Select the surface and click right-mouse button once to accept the selection and display the control vertices.



5. The NURBS surface can now be adjusted by dragging & dropping the available control vertices.