	Surfaces of revolution
<section-header><section-header><section-header><section-header><section-header><text></text></section-header></section-header></section-header></section-header></section-header>	dea: rotate a 2D profile curve around an axis. What kinds of shapes can you model this way?
Constructing surfaces of revolution	Constructing surfaces of revolution
	We now have an array of points, S[<i>l</i> , <i>j</i>] on the surface.
Given: A set of points $C[i]$ on a curve in the <i>xy</i> -plane: $C[i] = \begin{bmatrix} C_x[i] \\ C_y[i] \\ 0 \\ 1 \end{bmatrix} \text{where } i \in [0, N-1]$ Let $R_y(\theta_j)$ be a rotation about the <i>y</i> -axis. By angle θ_j . Find: A set of points $S[i, j]$ on the surface formed by rotating $C[i]$ rotated about the <i>y</i> -axis. Assume $j \in [0, M-1]$. Solution:	How would we turn this into a mesh of triangles? How many triangles are generated? How would we send the triangles to the graphics card?