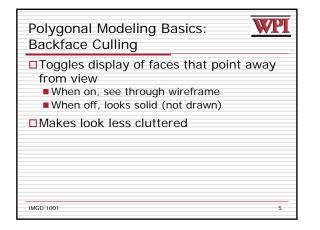


Polygonal Modeling Basics: WPI Normals
 Face normals are at right angle to polygon Tell what direction if facing, how to render, how light will react
 Viewed from other side, is invisible Fine if on inside (say, of solid cube)
When debugging, pay attention to normals as well as polygons



Modeling Tools	P 1
Certain tools and techniques used 80-90% of the time	
 Line Tool: Draw outline of object and extrude to get 3-d shape Ex: profile of car. Use line tool. Then, extrude outward to get shape. 	
 Extrude: Take component (often face), duplicating it, pulling pushing or scaling to refine model Ex: take cube. Extrude face outward and smaller 	
 Cut: Subdivides faces and adds new faces 	
 Adjust: The artistic part of modeling. Try to capture form, profile and character by moving vertices "Vertex surgery", part of the technical manipulation 	
IMGD 1001 Based on Chapter 6.2 Introduction to Game Development	6

