

ME170 Lecture Class Assignment #2

Name:

Lab Section (AB#)

1. What material and manufacturing process would you use for the Presto Salad Shooter main body
2. What is the injection molding procedure called for molding the metal cutting blades into the plastic of the Salad Shooter rotating cutter.
3. What caused the sink marks on the garden sprinkler and how were they masked or hidden?
4. What two ways are typically used to you avoid expensive “slides” in undercut features
 - a.
 - b.
5. What material and manufacturing process would you use for glass-clear shampoo bottles?
6. Briefly describe the difference between the terms “Soft Tooling” and “Hard Tooling”
7. What soft tooling machine/process would you use to put straight bends in a sheet metal part
8. Which sheet metal process is generally the lowest cost for high production volumes:
 - a. Bend brake
 - b. Laser cutting
 - c. Water jet cutting
 - d. Transfer Die Stamping
 - e. Progressive Die Stamping
9. Progressive Die stamping machines use: (check one)
 - Rectangular sheets or blanks of metal
 - Circular blanks of sheet metal
 - Continuous sheet metal from a Coil