In impression die forging, flash is not considered a defect. (T/F)

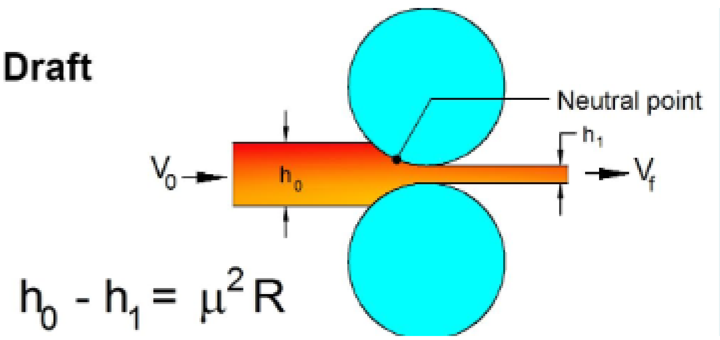
In ________ extrusion, the die at the front end of the hollow ram moves relative to the container, but there is no relative displacement between the billet and the container.

________is a process used to create objects of a fixed cross-sectional profile by pushing material through a die of the desired cross-section.

If a hot rolling mill has uses rollers that have a radius of 17 inches.

If the coefficient of friction between the rollers and the steel is 0.36, what is the maximum reduction of thickness that could be expected to be obtained?

Enter your answer in inches to TWO decimal places.



Match the following:

Reducing friction	Choose...
Use larger diameter rolls	Choose...
Reducing strip width	Choose...
Applying strip tension	Choose...
Rolling at elevated temperatures	Choose...

Choose...
Increases rolling force
Reduces rolling force

By its nature, forging is always a hot forming process. (T/F)

A bulk forming process accomplished with cylindrical tools. Starts with stock such as slabs, billets, and blooms and produces (for example) structural steel shapes such as channels, I-beams, angle shapes and rails.

When aluminum is extruded into hollow shapes, the material must flow around supports within the die and re-weld as it flows through. (T/F)

Match the following:

A forging pre-forming operation in which material is pushed out.

A forging pre-forming operation in which material is roughly shaped.

An upsetting process that increases workpiece diameter at one end.

A process that reduces the cross-section of a workpiece by hammering or rolling action.

Forging with a heated die.

A forging technique used to make a hole or cavity in a part.

A forging pre-forming operation in which material is gathered in.

A short-stroke, high force operation that causes a small plastic flow of material near the surface of the workpiece.

Choose...

- Choose...
- Piercing
- Heading
- Coining
- Swaging
- Isothermal forging
- Blocking
- Fullering
- Edging