301 Study Questions for Quiz 9

Metrology:

* What are two commonly used measurement devices for precision measurement?
* What features of a part can be measured using a dial caliper?
* How do you read a dial caliper?
* How do you read a micrometer?
* Which device provides a more accurate reading?

Drawing Guidelines:

* What is a nominal dimension value and where is it found on a drawing?
* What is a default tolerance and where is it found on a drawing?
* What are some rules of thumb to follow when dimensioning?
* Why is baseline dimensioning helpful?
* What are common tolerance values for dimensions that are specified to 2 and 3 decimal places?

Block Drawing Package:

* Where are the names of subassemblies provided in a drawing package?
* Where are the names of parts provided in a drawing package?

Drawing Quick References:

* What’s the difference between first angle and third angle projection standards?
* How do you create a drawing from an assembly in SolidWorks?
* What’s the difference between an orthographic view and an auxiliary view?
* What information in the drawing title block is typically linked to the part file?
* Per UI standards, should the part numbers match their item number in balloon callouts within a drawing package?