



## IE-352 Section 1, CRN: 48700/1/2 Section 2, CRN: 48703/4/5 Section 3, CRN: 48706/7/8 Second Semester 1434-35 H (Spring-2014) – 4(4,1,2) "MANUFACTURING PROCESSES – 2"

	Tuesday, February 25, 2013 (25/04/1435H)	
Homework 1 ANSWERS		
Name:	Student Number:	Section:
AHMED M. EL-SHERBEENY, PHD	4	11:00 / 1:00

## Read the following gages and write the values in the provided box.

[14 Questions; 0.75 Point Each].

1.





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Q3. ANSWER: 57. 85 mm



























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= 13 \* 1 mm = 13 mm+ 1 \* 0.5 mm = 0.5 mm + 32 \* 0.01 mm = 0.32 mm = 13.82 mm (note how this gage is read from right to left and from top to bottom as opposed to the outside micrometer)

**Q9. ANSWER:** 

**13**.**82** *mm* 



= 1 \* 0.1 *in* = 0.1 + 10 \* 0.001 *in* = 0.010 = **0**.110 *in* 

## 0.110 in



Q10. ANSWER:

0.110 in



Q11. ANSWER: 17°35′





13. What is the reading indicated by the red line below in *in*. (fractional and decimal forms)?



Q13. ANSWER:

14.0 mm  $\approx 0.55$  in  $\approx 0.\frac{35}{64}$  in





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 $0.25 in = 0.\frac{1}{4} in = 6.4 mm$ **Q14. ANSWER:** 





## **Rules:**

- You must prepare and submit the homework individually.
- Your work must be **neatly written** in pencil (or typed) and in **proper English** (where applicable).
- Show all work, and answer each question on a separate sheet.
- **BOX** your answer(s) and include the **units**.
- Due date (beginning of class; NO late homework will be accepted):
  - o Tuesday, March 04, 2014 (S2), 2014 (03/05/1435)
  - Wednesday, March 05, 2014 (S1,S3), 2014 (04/05/1435)