King Saud University - College of Engineering - Industrial Engineering Dept.

## 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"
Sunday, February 23, 2014 (23/04/1435H)
Quiz 2 ANSWERS

| Name: | Student Number: | Section: |
| :--- | :--- | :--- |
| AHMED M. EL-SHERBEENY, PHD | 4 | S/M8/M10 |

## PART - I (8 points; 2 points each)

Read the following gages and write the values in the provided box.
1.


Q1. ANSWER: $2 \cdot \frac{3}{16} \mathrm{in}$
2.


## $\begin{array}{llllll}0 & 5 & 10 & 15 & 20 & 25\end{array}$ <br> 0.791 <br> 

Q2. ANSWER:
0.791 in

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3.


Q3. ANSWER: 0.5678 in

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4.


Q4. ANSWER: 7.77 mm

## PART - II (2 points)

## Label the following gage properly at the letters shown.

a) What is the name of the gage shown below?[1 point]
Screw-thread micrometer
b) Label the following gage properly at the letters shown. $\left[\frac{1}{4}-\right.$ point each]


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## PART - I (8 points; 2 points each)

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

1. Find the distance between the two vertical lines on the right.


Q1. ANSWER: 1.6 in
2.


Q2. ANSWER:
45.28 mm

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3.


Q3. ANSWER: 0.789 in

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4.


Q4. ANSWER:
19.875 mm

## PART - II (2 points)

## Label the following gage properly at the letters shown.

a) What is the name of the gage shown below?[1 point] \begin{tabular}{|l|}

\hline | Universal Bevel |
| :--- |
| Protractor | <br>

\hline
\end{tabular}

b) Label the following gage properly at the letters shown. [0.5 - point each]


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## PART - I (8 points; 2 points each)

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

1. 
```
            123
                            45
    prof. Stefanelli
www.stefanelli.eng.br
\[
=9 * 10 \mathrm{~mm}+2 * 1 \mathrm{~mm}
\]
\[
=92 \mathrm{~mm}
\]
```

Q1. ANSWER:
92 mm
2.


Q2. ANSWER: 120.25 mm

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3.


$$
\text { Q3. ANSWER: } 0.7654 \text { in }
$$

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4.


Q4. ANSWER: 16.555 mm

## PART - II (2 points)

## Label the following gage properly at the letters shown.

a) What is the name of the gage shown below?[1 point] Dial Caliper
b) Label the following gage properly at the letters shown. $\left[\frac{1}{4}\right.$-point each $]$


