

Homework - Systems of Measurement

Student Name \_\_\_\_\_ Date \_\_\_\_\_

Self-Test: Complete the following questions at the end of the unit.

- 1) 2.77 cm. is equal to:  
A) 1.0704 inches      B) 107.4 inches      C) .01074 inches      D) .1074 inches      1) \_\_\_\_\_
- 2) Knowing inches, to find cm. multiply inches by:  
A) 25.4      B) .03937      C) 10      D) 2.54      2) \_\_\_\_\_
- 3) A certain machined part is 1257 mm. long. Expressed in terms of meters, how long would the part be  
A) 1.257 m.      B) 125.7 m.      C) 12570 m.      D) .1257 m.      3) \_\_\_\_\_
- 4) Knowing mm., to find cm.:  
A) Multiply by 10      B) Multiply by 100      C) Divide by 10      D) Divide by 100      4) \_\_\_\_\_
- 5) .0625 inch is equal to how many mm.?  
A) 1.58      B) .625      C) 6.25      D) .002      5) \_\_\_\_\_
- 6) Express the tolerance +/- .05 mm. to the nearest thousandth of an inch.  
A) +/- .050 in.      B) +/- .127 in.      C) +/- .005 in.      D) +/- .002 in.      6) \_\_\_\_\_
- 7) Express the tolerance +/- .125 inch in terms of mm. to the nearest 1/100 mm.  
A) +/- 1.25 mm.      B) +/- 3 mm.      C) +/- 3.17 mm.      D) +/- .05 mm.      7) \_\_\_\_\_
- 8) 17.27 cm is equal to how many inches?  
A) 172.7 in.      B) 6.799 in.      C) .06799 in.      D) 43.865 in.      8) \_\_\_\_\_
- 9) A cutting speed of 80 surface feet per minute is approximately how many cm. per minute?  
A) 960      B) 38      C) 800      D) 2438.4      9) \_\_\_\_\_
- 10) During a certain machining operation, 12 cubic inches of material are removed. This amount expressed in terms of cubic centimeter (cm.) is:  
A) 16.38 cm.      B) 1966 cm.      C) 163.8 cm.      D) 196.38 cm.      10) \_\_\_\_\_