MACHINE SHOP PRE-EMPLOYMENT TEST

-MICROMETER READING-

PLACE READING TO THE RIGHT OF THE ILLUSTRATION

1) __________ 2) __________

-BLUEPRINT READING-

THE FOLLOWING IS A SELECTION OF SYMBOLS YOU MIGHT FIND ON A BLUEPRINT. EXPLAIN IN YOUR OWN WORDS WHAT THEY MEAN.

3) __________
4) __________
5) __________
6) __________

LOOK CLOSELY AT THE BLUEPRINT ON THE LAST PAGE AND ANSWER THE FOLLOWING QUESTIONS.

7) WHAT IS THE SURFACE FINISH REQUIREMENT FOR THE 1.055/1.060 COUNTERBORE? __________
8) WHAT IS THE TOTAL TOLERANCE OF THE .2508/.2518 THRU DIAMETER? __
9) WHAT IS THE TOTAL TOLERANCE OF THE .35 DIMENSION? __________

-CNC-

TRUE OR FALSE:
10) SURFACE FEET PER MINUTE AND SPINDLE SPEED ARE THE SAME THING. ________

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11) If the X and Y axes are moved at the same time, and with the same feedrate over an equal distance, a 45 degree angle is achieved. _____

Circle the appropriate answer:
12) M3 / M8 turns the spindle on.
13) G01 / G00 represents a rapid movement.
14) G90 / G91 represents an incremental move.

- Trigonometry -

15) What is the length of side C?