Homework - 60 Degree Thread Information

Student Name_____ Date _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) The sharp Vee thread: 1) _____
   A) Is seldom used today
   B) Does not fit or seal as close as most threads
   C) Has an included angle of 55 degrees
   D) Is very durable and will take much abuse without damage

2) The pitch of the thread is the: 2) _____
   A) Distance between a point on a screw thread to a corresponding point on the next thread
   B) Helix angle
   C) Same as the number of threads per inch
   D) Distance a nut will travel in one revolution on a two lead screw thread

3) The unified thread form: 3) _____
   A) Has a 60 degree included angle
   B) Is the same general form as as a metric thread
   C) Is the same thread form as the American Standard form
   D) Has the same classes of fits as other forms

4) One reason for having thread tolerances and classes of fits is: 4) _____
   A) The percent of thread can be more easily determined
   B) To insure interchangeability of threaded parts
   C) So specific threads can be properly labeled
   D) That better finishes can be obtained

5) A 3/4 inch diameter 10 TPI Unified nut with a class 2 tolerance would be properly written as: 5) _____
   A) 3/4 - 10 TPI UNF -2B
   B) 3/4 ten TPI Unified -Tol 2
   C) 3/4 - 10 UNC - 2B
   D) 3/4 - 10 UNC - 2A

6) What is the flat dimension in inches for a 10 thread per inch unified form thread if the formula is P x .125 inch 6) _____
   A) 1.25 in.
   B) .0012 in.
   C) .0125 in.
   D) .125 in.

7) How far will the compound move when set at 30 degrees to cut a .100 inch pitch thread if the formula is .708/ n 7) _____
   A) .708 in.
   B) .007 in.
   C) .0708 in.
   D) 7.08 in.

8) The percent of thread: 8) _____
   A) Indicates the depth of the external thread expressed as a percentage
   B) Refers to the class of fit
   C) Refers to the allowable limits or tolerances
   D) Refers to the actual minor diameter of the internal thread