

Name: _____

An Introduction to Symbols, Terms, and Computer- Aided Design and Drafting

A dimensioning and tolerancing template is recommended for drawing proper symbols on this test and on future tests. Note: *Geometric dimensioning and tolerancing* symbols refer to symbols found in, and including, the feature control frame, datum feature and target symbols, basic dimensions, and symbols found in Example 2-13. *Geometric characteristic* symbols refer to the symbols found in Example 2-6.















1. List the five basic types of geometric dimensioning and tolerancing symbols.

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____

2. Name the five types of geometric characteristic symbols.

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____

3. Name each of the following geometric characteristic symbols.

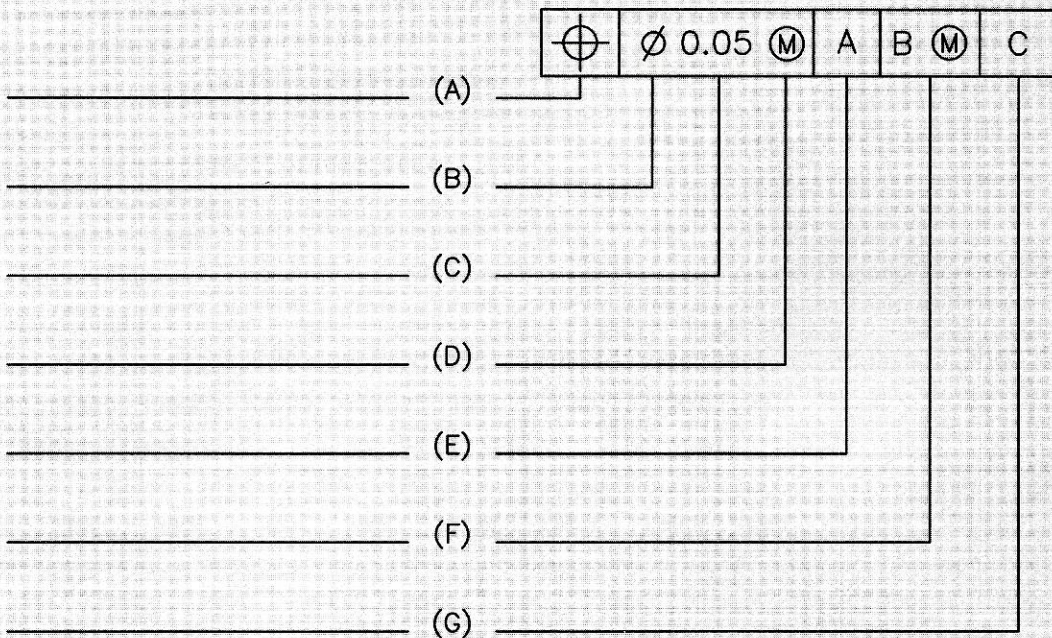
4. Any letter of the alphabet can be used to identify a datum except for _____, _____, or _____.

5. When may datum feature symbols be repeated on a drawing? _____

6. What information is placed in the lower half of the datum target symbol? _____

7. What information is placed in the top half of the datum target symbol? _____

8. Label the parts of the following feature control frame.



9. Completely define the term "basic dimension." _____

10. How are basic dimensions shown on a drawing? _____

11. Name the following symbols.

∅ _____

R _____

CR _____

SR _____

S∅ _____

X _____

└ _____

∨ _____

⌞ _____











