

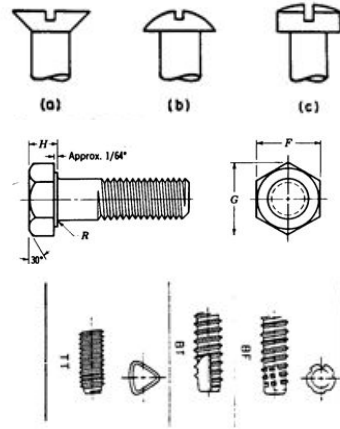
The Nuts and Bolts of Fasteners

Name: _____

1. Types of Fasteners

- a. The Boeing 747 uses about _____ fasteners
- b. Advantages
 - i. _____
 - ii. _____
 - iii. _____
- c. Disadvantages
 - i. _____
 - ii. _____
 - iii. _____
- d. Identify which of the following are Machine Screws, Wood Screws, or Tapping Screws.

- i. _____
- ii. _____
- iii. _____



- e. The four types of Standard Thread Systems are _____, _____, _____ and Whitworth.
- f. $\frac{1}{2}$ "- 13 UNC-2A
 - i. Which of the above numbers represents the Nominal Diameter? _____
 - ii. Which of the above numbers represents the Class of Fit? _____

2. Bolt Grades

- a. Grade indicates the _____ of the bolt.
- b. This is determined by bolt material and _____.
- c. Identify the following bolt grades
 - i. Metric 12.9
 - ii. U.S. Grade 2
 - iii. U.S A325
 - iv. U.S Grade 8

