

Name \_\_\_\_\_

ENGR 105, Reading Questions, Due at the **START** of the next class.

As you read Sections 5.1 to 5.29, in Modern Graphics Communication, Giesecke, 3<sup>rd</sup> Ed., answer these questions. For True/False questions, if your response is False, give a reason or a counterexample (you may use a diagram to make your argument).

1. Name the 6 **standard views**.
  
2. If you are looking at the **front** view of an object, describe how you would move the object to see:
  - a) The **Top** view.
  
  - b) The **Right** side view.
  
3.
  - a) Name the **three principal dimensions** of an object:
  
  - b) Which **two principal dimensions** are shown in the **Front** view?
  
  - c) Which **two principal dimensions** are shown in the **Top** view?
  
  - d) Which **two principal dimensions** are shown in the **Right Side** view?
  
4. True/False:        The **depth dimensions** are equal (corresponding) in the **Top** and **Side** views.
  
5. A \_\_\_\_\_ **line** may be used to **transfer depths** between views.
  
6. A \_\_\_\_\_ **surface** is **parallel** to a **plane of projection**, and therefore appears **true size** and **true shape** in that view.
  
7. A \_\_\_\_\_ **surface** is **tipped** to all **principal planes of projection**, and therefore **does not** appear **true size** and **true shape** in any of the principal views.
  
8.
  - a) How is an **edge** produced?
  
  
  - b) How is an **edge** represented in a drawing?