

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, 3rd 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?