

Name _____

ENGR 105, Reading Questions, Due at the **START** of the next class.
As you read Sections 7.1 to 7.20, 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. To produce a **sectional view**, a _____ is **imagined cutting** through the **part**.
2. The **section** produced by **cutting through** the **entire object** is called a _____ **section**.
3. True/False: **Hidden lines** should be **shown** in **sectional views**.
4. True/False: A **section-lined area** is always **completely bounded** by a **visible outline** – never by a **hidden line**.
5. True/False: The **cross hatching** in all **hatched** areas must be **parallel** in a **sectional view** of a **single object**.
6. Complete “Hands On 7.1” by matching the letters below the 5 drawings, and listing your results here (note that the book already matched the letter for drawing #5):

1 2 3 4 5
____ ____ ____ ____ E .

7. The **section** produced by **cutting halfway** through an **object** is called a _____ **section**.
8. The textbook **recommends** drawing **hatched lines** in an **isometric section** at what **angle** from the horizontal? _____