

Name _____
Date _____

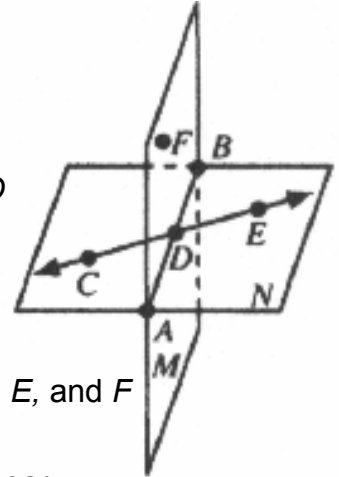
Module #1:
Worksheet 2a: Points, Lines & Planes

 **View Tutorial 2a**

➔ **Objective:** *Be able to recognize characteristics of points, lines, and planes.*

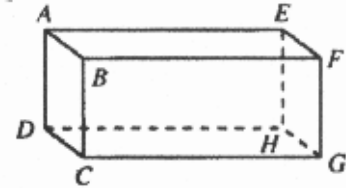
Circle true (T) or false (F) each statement:

- | | |
|---|--|
| 1. Line AB is in plane M
<u>T or F</u> | 2. Plane M contains line CD
<u>T or F</u> |
| 3. Line AB intersects plane N at Point E
<u>T or F</u> | 4. Line AB intersects line CD at D
<u>T or F</u> |
| 5. Point F is in plane N
<u>T or F</u> | 6. Point B is in plane N
<u>T or F</u> |
| 7. Points A, D, F are coplanar
<u>T or F</u> | 8. Plane N contains points $C, D, E,$ and F
<u>T or F</u> |
| 9. Point E is on line CD
<u>T or F</u> | 10. Points $C, D,$ and E are collinear
<u>T or F</u> |



Name a fourth point that is in the same plane as the given points:

- | | |
|---------------------|---------------------|
| 11. A, B, F _____ | 12. E, H, G _____ |
| 13. C, G, E _____ | 14. E, B, C _____ |



Name each of the following:

15. Three lines that intersect at point E _____
16. The plane that does not intersect plane $FGHE$ _____
17. Two planes that intersect in line CG _____ & _____
18. Three planes that intersect at point D _____

Sketch and label the figures described:

- | | |
|---|---|
| 19. Two planes P and Q , intersect in line RS . | 20. Horizontal plane M containing line AB intersects line AC at point A . |
|---|---|