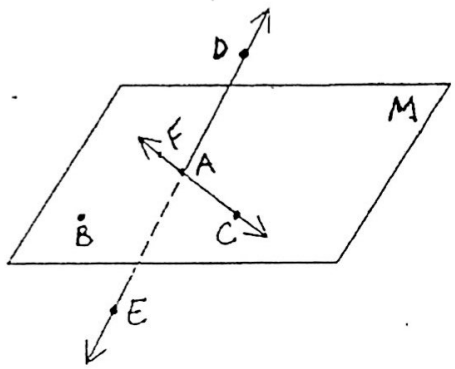
Name Burden Key

Date _____ Period _____

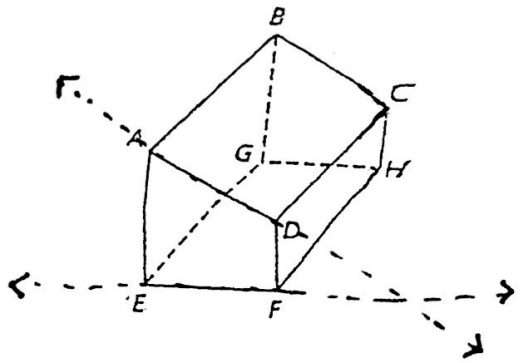
I. True or False: Write out the whole word! Use the picture to the right.

1. False Points A and B are collinear.
2. False Points A, B, and C are collinear.
3. True Points A, D, and E are collinear.
4. True Points A, B, and C are coplanar.
5. False Points A, C, and D are coplanar.
6. False Points A, B, C, and D are coplanar.
7. False $\overleftrightarrow{AD}$ lies in plane M.
8. True $\overleftrightarrow{AC}$ lies in plane M.
9. True Point E lies on $\overleftrightarrow{AD}$.
10. True $\overleftrightarrow{AD}$ and $\overleftrightarrow{AE}$ are the same.
11. False AD and AE are the same.
12. False $\overrightarrow{AC}$ and $\overrightarrow{CA}$ are opposite rays.
13. True $\overline{AC}$ and $\overline{CA}$ are the same.
14. True The intersection of plane M and $\overleftrightarrow{DA}$ is point A.



II. Use the figure to complete the following:

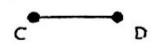
15. intersection of plane ABCD and plane ABGE $\overleftrightarrow{AB}$
16. intersection of plane BCHG and plane ADFE none
17. intersection of plane EFHG and $\overleftrightarrow{CH}$ •H
18. intersection of $\overleftrightarrow{AD}$ and $\overleftrightarrow{DF}$ •D
19. plane parallel to BCHG plane ADFE

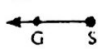


III. Use the same figure to determine if the lines are parallel, intersecting, or skew.

20. $\overleftrightarrow{DF}$ and $\overleftrightarrow{BC}$ skew
21. $\overleftrightarrow{EF}$ and $\overleftrightarrow{GE}$ intersecting
22. $\overleftrightarrow{AB}$ and $\overleftrightarrow{EG}$ parallel
23. $\overleftrightarrow{EF}$ and $\overleftrightarrow{AD}$ intersecting

IV. Name using the proper notation (symbols).

24. $\overline{CD}$ 

25. $\overrightarrow{SG}$ 

26. $\overleftrightarrow{XY}$ 

27. $\overline{CD}$ length of #24 (give using notation, not a specific number)
28. $\overrightarrow{LP}$ ray opposite $\overrightarrow{LM}$