

Using the appropriate labels sketch the following relationships.

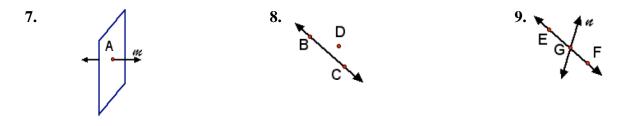
1. \overrightarrow{CD} intersects \overrightarrow{GH} at *K*. **2.** Line *m* is not on plane \mathcal{R} . **3.** Points S, T, U, and V are collinear.

4. Line *h* does not intersect \overrightarrow{YZ} .

5. \overrightarrow{ML} is on plane \mathbb{Q} .

6. Plane *ABCD* intersects plane \Re at line *j*.

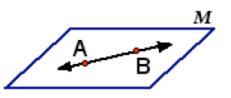
Using appropriate notation describe the following sketches.



Using the figure to the right decide if the following statements are true or false.

- 10. \overrightarrow{AB} is in plane \mathfrak{M} .
- **11.** \overrightarrow{AB} is on plane \mathfrak{M} .
- **12.** Plane \mathfrak{M} contains \overline{AB} .
- **13.** \overrightarrow{AB} intersects plane \mathfrak{M} .







Using the figure to the right answer the following questions.

- **14.** How many planes make up the figure?
- **15.** Name four of the planes that make up the object.
- **16.** Are *A*, *B*, *C*, and *D* coplanar?
- **17.** Are A, D, H, and G coplanar?
- **18.** Are E, F, G, and B coplanar?
- **19.** Name two planes that intersect at \overleftarrow{GB} .
- **20.** What is the intersection of plane *FAD* and *TEF*?

