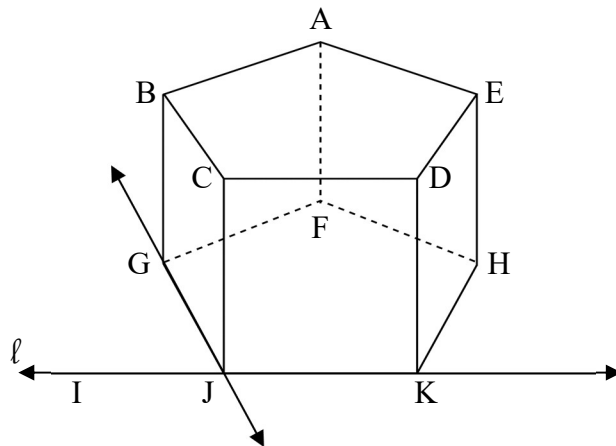


1.3 Homework

Write your answers on notebook paper, not this sheet.

1. What does *collinear* mean?
2. Are the three points collinear?
 - a. A, B, C
 - b. G, F, H
 - c. I, J, K
 - d. B, G, J



3. Fill in the blanks.
Postulate 1-1: Through any _____ there is exactly one line.
4. When labeling lines, how many points are listed in the line's name?
5. Name line ℓ three different ways.
6. Fill in the blanks.
Postulate 1-3: If two planes intersect, they intersect in _____.
7. Name the intersection of each pair of planes.
 - a. planes ABD and CJK.
 - b. planes DKH and AEF.
8. Name the two planes that intersect at line \overleftrightarrow{FG} .
9. What does *coplanar* mean?
10. Is point J coplanar with
 - a. points G, I, and K?
 - b. points B, C, and K?
 - c. points F, H, and K?
11. Fill in the blanks.
Postulate 1-4: Through any _____ there is exactly one plane.
12. If possible, draw a figure to fit each description. Otherwise write *not possible*.
 - a. Four points that are collinear.
 - b. Three points that are not collinear.
 - c. Two points that are not collinear.
 - d. Three points that are not coplanar.