1-1 Points, Lines, and Planes

Name _____

Figure 1
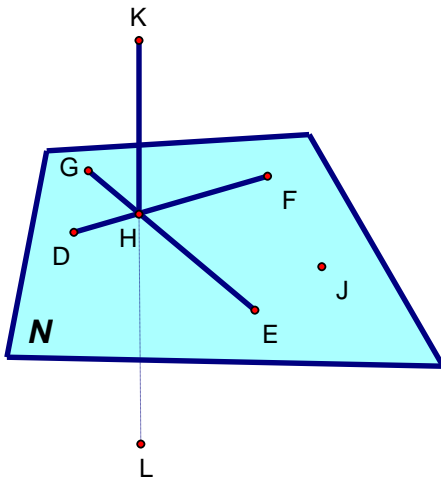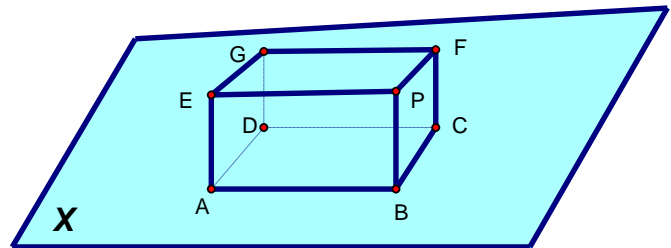
Figure 2

_____ 1. For figure 1, name the two line segments that are on plane N.

_____ 2. For figure 1, name a point on plane N that is not on any line segment.

_____ 3. For figure 1, name a line segment that is not on plane N.

_____ 4. In figure 2, how many planes do you see?

_____ 5. In figure 2, how many planes contain points A and D?

_____ 6. In figure 2, are the points G, E, B, and C coplanar?

In 7 – 10, name the geometric term (point, line, line segment, or plane) modeled by each object.

_____ 7. the tip of your pencil   _____ 8. a rug

_____ 9. a string on my guitar   _____ 10. a drivers license

_____ 11. Does the notation $\overleftrightarrow{AB}$ mean line AB, line segment AB, or ray AB?

_____ 12. Which of these statements is false?

   A. $\overleftrightarrow{AB} = \overleftrightarrow{BA}$ B. $\overline{AB} = \overline{BA}$ C. $\overrightarrow{AB} = \overrightarrow{BA}$

13.   On the back of this sheet, draw and label a figure where point X lies on $\overrightarrow{AB}$.

14.   On the back of this sheet, draw and label a figure where $\overleftrightarrow{CD}$ intersects plane N at point F.

15.   On the back of this sheet, draw and label a figure where $\overline{CF}$ intersects $\overleftrightarrow{HR}$ at point Y.