Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Monica

Geometry Period:\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***PLANES***

|  |  |  |
| --- | --- | --- |
| **KEY TERMS** | **DEFINITION** | **DIAGRAM** |
| Point  *(undefined term)* |  |  |
| Line  *(undefined term)* |  |  |
| Plane  *(undefined term)* |  |  |
| Collinear |  |  |
| Coplanar |  |  |
| Parallel |  |  |
| Perpendicular |  |  |
| Skew Lines |  |  |

|  |  |
| --- | --- |
| **IMPORTANT POSTULATES ABOUT PLANES** | **Diagram** |
| If two lines intersect, they intersect in exactly one \_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |
| If two planes intersect, they intersect in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |
| If a line intersects a plane, they intersect in exactly one \_\_\_\_\_\_\_\_\_\_\_\_\_. |  |
| If two points are on a plane, then the \_\_\_\_\_\_\_\_\_\_ containing the two points is also on the plane. |  |
| Three non-collinear points define a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |
| Two intersecting lines define a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |

Use the figure below to answer the following questions.

1) Identify a pair of parallel lines:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Identify a pair of parallel planes:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) Identify a pair of skew lines:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Identify the intersection of and :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Identify the intersection of plane AHE and plane FCD:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) Identify the plane defined byand :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

