**ANSWERS**

**Use the figure to name each of the following.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1.** |  | **2.** |  | **3.** |  |
|  | Line |  | Line segment |  | Ray |

**Draw and label the figure for each relationship.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **4.** | Ray and ray | **5.** | Line | **6.** | Line segment |
|  |  |  |  |  |  |
| **7.** | Draw two points, and . Then sketch . Add a point on the ray so that is between and . | **8.** | Line lies in planeandcontains pointbut does not contain point | **9.** | Line segment lies in plane **,** and its end points are initial points of the rayand the ray |
|  |  |  |  |  |  |

**Refer to each figure.**

|  |  |  |  |
| --- | --- | --- | --- |
| **10.** |  | Name three line segments. |  |
| Name the intersection of plane and line | Point |
| Name the two opposite rays at point |  |
| Name the intersection of line and line | Point |

|  |  |  |  |
| --- | --- | --- | --- |
| **11.** |  | Name three collinear point in plane . |  |
| Name the intersection of plane and line | Point |
| Name the intersection of plane and line | Point |
| Name the intersection of line and line | Point |
| **12.** |  | Name three planes. |  |
| Name a point that is coplanar with | Point |
| Name the intersection of plane and plane | Line |
| Name the intersection of plane and plane | Line |

**Draw and label the figure for each relationship.**

|  |  |  |
| --- | --- | --- |
| **13.** | Lines and intersect in pointin plane  The intersection of plane and line ispoint |  |
| **14.** | The intersection of plane and plane isline |  |
| **15.** | Plane and planedo not has intersect.  Plane intersect planein line **.**  Plane intersect planein line **.** |  |