**ANSWERS**

**Multiple choice**

|  |  |  |
| --- | --- | --- |
| **1.** | **A line and a plane intersect at a:** | |
|  | **a.** Point | **b.** Line |
|  | **c.** Plane | **d.** Line segment |

|  |  |  |
| --- | --- | --- |
| **2.** | **Two planes intersect in a:** | |
|  | **a.** Line segment | **b.** Line |
|  | **c.** Point | **d**. Ray |

**3. Identify a choice that best completes the statement.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **a.** | \_\_\_\_\_\_\_\_\_ two points are collinear. | Any | Sometimes | No |
| **b.** | \_\_\_\_\_\_\_\_\_ three points are collinear. | Any | Sometimes | No |
| **c.** | \_\_\_\_\_\_\_\_\_ two lines that intersect will intersect in a point. | Any | Sometimes | No |

**4. Refer to each figure**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Name three coplanar points. |  |
| Name a point that is coplanar with **.** | Point |
| Name the intersection of plane and plane | Line |
| Name the intersection of plane and plane | Line |

**5. Draw and label figure for this relationship.**

|  |  |  |
| --- | --- | --- |
|  | Draw four points, and in plane . Points and are collinear. Then sketch and |  |