**1. Complete the following statements.**

|  |  |
| --- | --- |
| **a.** | \_\_\_\_\_\_\_\_\_ has no dimension. It is usually represented by a small dot and named by a capital letter. |
| **b.** | \_\_\_\_\_\_\_\_\_ is usually represented by a straight line with no arrowheads to indicate that it has a fixed length. |
| **c.** | \_\_\_\_\_\_\_\_ is named by a capital script letter or 3 non-collinear points.  |

**2. Which of the following statements is correct?**

|  |  |  |
| --- | --- | --- |
| **a.** | Collinear points are points that lie on the same plane. |  |
| **b.** | If two distinct lines intersect, then they intersect in exactly one point. |  |
| **c.** | If two distinct planes intersect, then they intersect in exactly one line. |  |

**Multiple Choices**

**3. Which of the following does extend indefinitely without ending?**

|  |  |  |
| --- | --- | --- |
| **a.** | Line |  |
| **b.** | Line segment |  |
| **c.** | Ray |  |
| **d.** | Opposite ray |  |

**4** **Which of the following does not extend indefinitely without ending?**

|  |  |  |
| --- | --- | --- |
| **a.** | Space |  |
| **b.** | Ray |  |
| **c.** | Line segment |  |
| **d.** | Line  |  |

**5. How many lines can be drawn passing through two points?**

|  |  |  |
| --- | --- | --- |
| **a.** | One  |  |
| **b.** | Two |  |
| **c.** | Zero |  |
| **d.** | Infinite |  |

**ANSWERS**

**1. Complete the following statements.**

|  |  |
| --- | --- |
| **a.** | A point has no dimension. It is usually represented by a small dot and named by a capital letter. |
| **b.** | A line segment is usually represented by a straight line with no arrowheads to indicate that it has a fixed length. |
| **c.** | A plane is named by a capital script letter or 3 non-collinear points.  |

**2. Which of the following statements is correct?**

|  |  |  |
| --- | --- | --- |
| **a.** | Collinear points are points that lie on the same plane. | **F** |
| **b.** | If two distinct lines intersect, then they intersect in exactly one point. | **T** |
| **c.** | If two distinct planes intersect, then they intersect in exactly one line. | T |

**Multiple Choices**

**3. Which of the following does extend indefinitely without ending?**

|  |  |  |
| --- | --- | --- |
| **a.** | Line |  |
| **b.** | Line segment |  |
| **c.** | Ray |  |
| **d.** | Opposite ray |  |

**4** **Which of the following does not extend indefinitely without ending?**

|  |  |  |
| --- | --- | --- |
| **a.** | Space |  |
| **b.** | Ray |  |
| **c.** | Line segment |  |
| **d.** | Line  |  |

**5. How many lines can be drawn passing through two points?**

|  |  |  |
| --- | --- | --- |
| **a.** | One  |  |
| **b.** | Two |  |
| **c.** | Zero |  |
| **d.** | Infinite |  |