**ANSWERS**

**1. Complete the following statements.**

|  |  |
| --- | --- |
| **a.** | If two line segments have same lengths, they are congruent line segments. |
| **b.** | The midpoint of a segment divides the segment into two congruent segments. |
| **c.** | A segment partition is a point, line or a line segment that partitions the line segment in a particular ratio. |

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

|  |  |  |
| --- | --- | --- |
| **a.** | If three points$ A$**,** $B$**,** and$C$are collinear and$B$is between$A$and$ C$**,** then the distance of $AC$is the sum of distance$ AB$and$BC$**.**  | **T** |
| **b.** | If the coordinates of points $A$ and $B$ are $a$ and $b$, then the distance between $A$ and $B$ is $AB=\left|a+b\right| $or$AB=\left|b+a\right|$ | **F** |
| **c.** | If the coordinates of points $A$ and $B$ are $a$ and $b$, then the coordinate of midpoint $M$ =$\frac{a-b}{2}$ | **F** |

**Multiple Choice**

**3. A line segment has \_\_\_\_\_\_\_\_ end points.**

|  |  |  |
| --- | --- | --- |
| **a.** | Two |  |
| **b.** | One |  |
| **c.** | Zero |  |
| **d.** | None of these |  |

**4**. **What does the symbol** $\vec{AB}$ **represent?**

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

**5. What does the symbol** $\overleftrightarrow{AB }$**represent?**

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