**ANSWERS**

**Multiple choice**

|  |  |  |
| --- | --- | --- |
| **1.** | **If the coordinate of is and the coordinate is the length of segment is:** | |
|  | **a.** | **b.** |
|  | **c.** | **d.** |

|  |  |  |
| --- | --- | --- |
| **2.** | **If the coordinate of is and the coordinate of is the coordinate of the midpoint of line segment is:** | |
|  | **a.** | **b.** |
|  | **c.** | **d**. |

**3. Find the value of and the length of each segment using a segment addition postulate.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Point is between pointsand  The points are collinear. |  |  |
|  |  |  |  |

**4.** **Find the length of the segment using the number line, and then find the coordinate of the midpoint of the segment.**

|  |  |
| --- | --- |
|  | **0**  **1**  **2**  **3**  **4**  **-1**  **-2**  **-3**  **-4**  **5**  **6**  **-5**  **-6** |
|  |  |

|  |  |
| --- | --- |
| **5.** | **On a number line, the coordinates of are , respectively.**  **Find the lengths of .**  **Determine which segments are congruent.** |
|  |  |