**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** |
|  |  |

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