**Find the length of each segment using a ruler.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1.**  |   | **2.**  |   | **3.** |    |
|  |  |  |  |  |  |

**Find the length of each segment using the number line. Determine whether each of the segments is congruent.**

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

**Find the length of each segment using a segment addition postulate.** **Draw a diagram to represent the situation.**

|  |  |  |  |
| --- | --- | --- | --- |
| **7.** | Point is between pointsand The points are collinear. |  |  |
| **8.** | Point is between pointsand The points are collinear. |  |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **9.** | Point is between pointsand The points are collinear. |  |  |
|  |  |  |  |
| **10.** | Point is between pointsand The points are collinear. |  |  |
|  |  |  |  |

**Find the length of each segment. Draw a diagram to represent the situation.**

|  |  |  |  |
| --- | --- | --- | --- |
| **11.** | Point is the midpoint of segment  |  |  |
| **12.** | Point is midpoint of segment  |  |  |

**Find the value of and then find the length of each segment. Draw a diagram to represent the situation.**

|  |  |  |  |
| --- | --- | --- | --- |
| **13.** | Point is midpoint of segment  |  |  |
|  |  |  |  |
| **14.** | Point is midpoint of segment  |  |  |
|  |  |  |  |

**Find the coordinate of the midpoint of each segment.**

|  |  |  |
| --- | --- | --- |
| **15.** | **3****4** **2** **1** **0** **-1****-2** **-3** |  |
| **16.** | **3****4** **2** **1** **0** **-1****-2** **-3** |  |

**Divide the line segment in the ratio given by putting a dot at the partition.**

|  |  |  |
| --- | --- | --- |
| **17.** |  |  |
| **18.** |  |  |