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| In geometry, a rule that is accepted without proof is called an axiom or a \_\_\_\_\_\_\_\_\_\_\_\_\_. Ruler Postulate |
| Segment Addition Postulate |

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| Line segments that have the same length are called \_\_\_\_\_\_\_\_\_\_\_ segments. Their lengths or the distances between their respective points are \_\_\_\_\_\_\_\_\_\_\_\_\_\_ but the segments are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  AB = CD is read  .  is read  .  Example 1 - Find DE to the nearest millimeter.  D  E | Example 2 – Find the distance between Mary Lake and Beach Lake. |
| When three points are collinear, you can say that point is ­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the other two. | Example 4 – Find XZ.  26  7  Y  X  Z  Example 5 – Find EF.  41  D  F  E  25 |

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| Example 3  Plot the points P(-4, 2), Q(3, 3), R(-1, 4), and  S(-1, -2) in a coordinate plane. Then determine whether.  Example 6 - Determine the distance between Springfield, MO and St. Louis, MO.    286.2  499.2 | Example 3  Plot the points P(-4, 2), Q(3, 3), R(-1, 4), and  S(-1, -2) in a coordinate plane. Then determine whether.  Example 6 - Determine the distance between Springfield, MO and St. Louis, MO.    286.2  499.2 |