1.4 Day 1: Measuring Segments - Notes Date: \_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Learning Targets** | **Help!** | **I’m getting there…** | **I’m almost there…** | **Yes! I totally got this! ☺** |
| 1. I can find the lengths of segments. |  |  |  |  |
| 2. I can name congruent segments. |  |  |  |  |
| 3. I can find and define midpoint of a segment. |  |  |  |  |
| 4. I can apply the Segment Addition Postulate. |  |  |  |  |



Warm Up:

1.  2.  3.  4. 



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\*\*Postulate 1-5: Ruler Postulate-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



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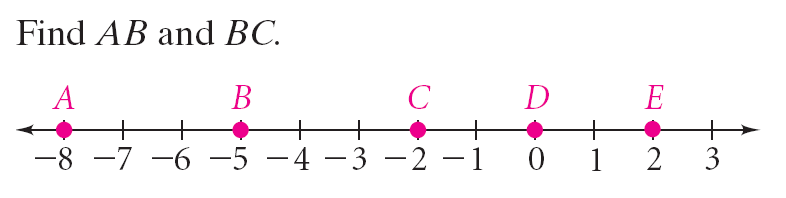
AB =



B

A



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Example A: Find *AB* and *BC*.



Example B:Find M if the length of = 9 and the coordinate of N is 6.



\*\*Congruent Segments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



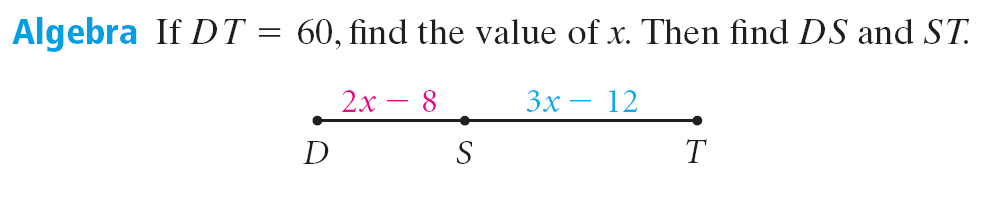
*\*\* Postulate 1-6:* Segment Addition Postulate-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



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Example C:

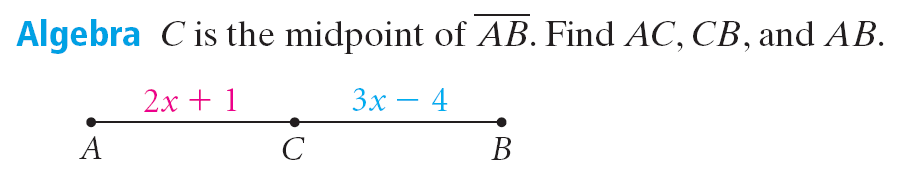
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\*\*Midpoint: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

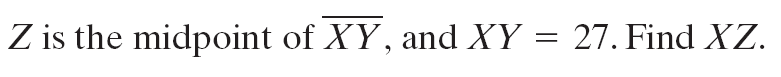


Example D:

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**1)**



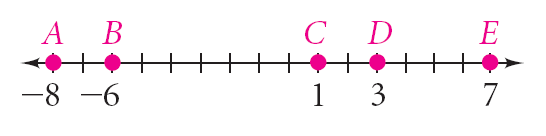
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**2) WHITEBOARDS:**



**Example A:** Find *AE* and *DB*

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**Example B:**

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**Example C:**

1) *M* is the midpoint of . Find *RM*, *MT*, and *RT*.

*RM* = 5x + 9; *MT* = 8x – 36;

2) *W* is the midpoint of . *TN* is 33. Find *TW*.

**Example D:** Find B if the length of = 14 and the coordinate of B is 3.