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| Given |
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| ∠*ABE* ≅ ∠*DBC,* ∠*ABE* and ∠*DBC* are  supplementary. |
| If two ∠*s* are ≅and supplementary, then each is a right ∠*.* |
| *B* is the midpoint of . |
| ∠*ABE* and∠*DBC* are right ∠*s.* |
| HL Theorem |
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| ∆*ABE* and ∆*DBC* are right ∆s. |
| Definition of right ∆ |
| Definition of midpoint |
| ∆*ABE* ≅ ∆*DBC* |
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