

|                       |                          |                              |                              |                            |
|-----------------------|--------------------------|------------------------------|------------------------------|----------------------------|
| <b>B</b>              | <b>I</b>                 | <b>N</b>                     | <b>G</b>                     | <b>O</b>                   |
| Transitive Property   | Angle Addition Postulate | Addition Property            | Deductive Reasoning          | Segment Addition Postulate |
| Detachment            | Contrapositive           | Syllogism                    | Inductive Reasoning          | Converse                   |
| Reflexive Property    | Subtraction Property     | <b>FREE</b>                  | Conclusion                   | Hypothesis                 |
| Def. of Midpoint      | Def. of Right Angle      | Simplify                     | Def. of Supplementary Angles | Inverse                    |
| Substitution Property | Def. of Congruent        | Def. of Complementary Angles | <b>False</b>                 | Def. of Angle Bisector     |

| <b>B</b>                       | <b>I</b>                       | <b>N</b>                         | <b>G</b>               | <b>O</b>                           |
|--------------------------------|--------------------------------|----------------------------------|------------------------|------------------------------------|
| Conclusion                     | Conjecture                     | Hypothesis                       | Detachment             | Def. of<br>Supplementary<br>Angles |
| Biconditional                  | Subtraction<br>Property        | Segment<br>Addition<br>Postulate | Def. of<br>Midpoint    | Def. of<br>Right<br>Angle          |
| Syllogism                      | Angle<br>Addition<br>Postulate | <b>FREE</b>                      | Transitive<br>Property | False                              |
| Def. of<br>Segment<br>Bisector | Converse                       | Def. of<br>Angle<br>Bisector     | Inverse                | True                               |
| Reflexive<br>Property          | Inductive<br>Reasoning         | Substitution<br>Property         | Contrapositive         | Addition<br>Property               |

|                                    |                          |                                |                                |                                    |
|------------------------------------|--------------------------|--------------------------------|--------------------------------|------------------------------------|
| <b>B</b>                           | <b>I</b>                 | <b>N</b>                       | <b>G</b>                       | <b>O</b>                           |
| Def. of<br>Supplementary<br>Angles | Contrapositive           | Hypothesis                     | Symmetric<br>Property          | Conclusion                         |
| Vertical<br>Angles<br>Congruent    | True                     | Converse                       | Biconditional                  | Segment<br>Addition<br>Postulate   |
| Inductive<br>Reasoning             | Deductive<br>Reasoning   | <b>FREE</b>                    | Angle<br>Addition<br>Postulate | Transitive<br>Property             |
| Detachment                         | Reflexive<br>Property    | Def. of<br>Right<br>Angle      | Def. of<br>Midpoint            | Def. of<br>Complementary<br>Angles |
| Inverse                            | Substitution<br>Property | Def. of<br>Segment<br>Bisector | Addition<br>Property           | Conjecture                         |