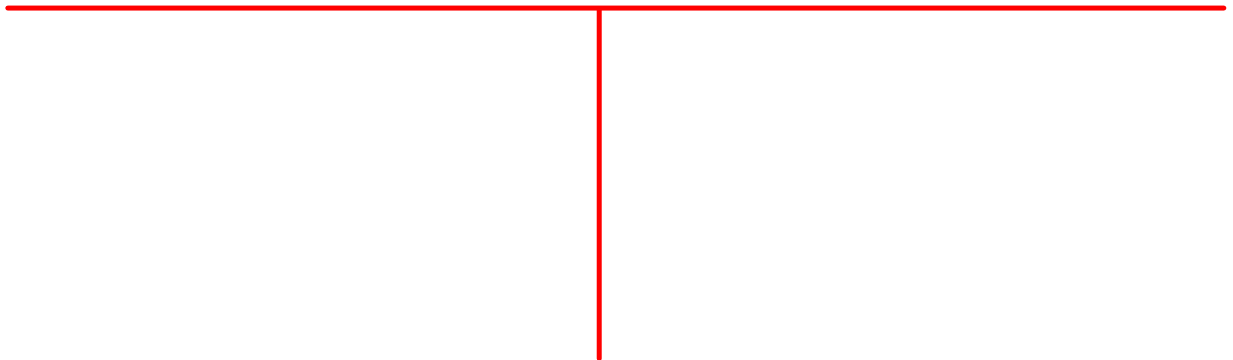


Draw a diagram, write what is given and what is to be proved in terms of your diagram and prove the following statement.

**Statement:** If two angles are right angles then they are congruent.

**Given:**

**Prove:**

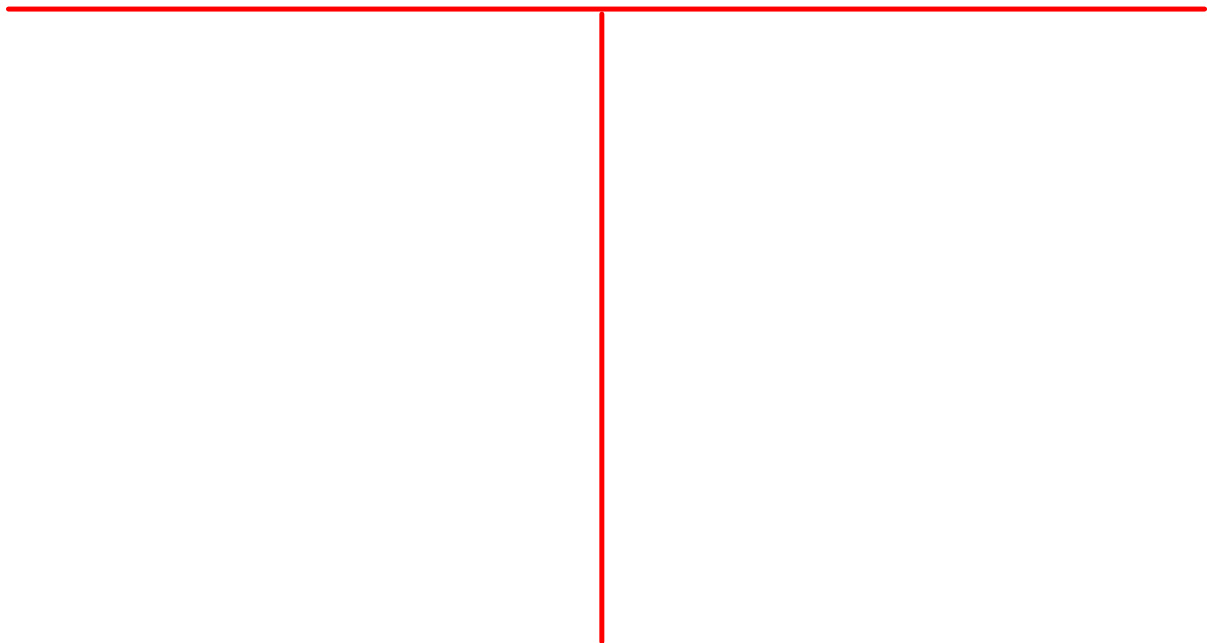


Draw a diagram, write what is given and what is to be proved in terms of your diagram and prove the following statement.

**Statement:** If two angles form a linear pair then the angles are supplementary.

**Given:**

**Prove:**





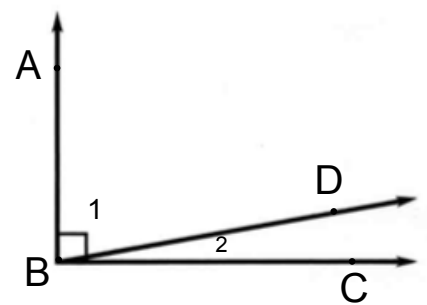
**THEOREM 3.2**

If two sides of two adjacent acute angles are perpendicular, then the angles are complementary.

\_\_\_\_\_.

Given:

Prove:



---

---

---

---

---

---

---

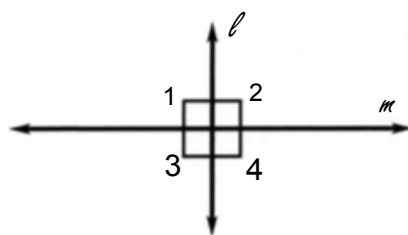
---

---

---

**THEOREM 3.3**

If two lines are perpendicular,  
then they intersect to form  
four right angles.



Given:

Prove:

A series of horizontal lines for writing, including a solid top line, a dashed middle line, and a solid bottom line. A vertical red line is drawn across the middle of the page, intersecting the horizontal lines.