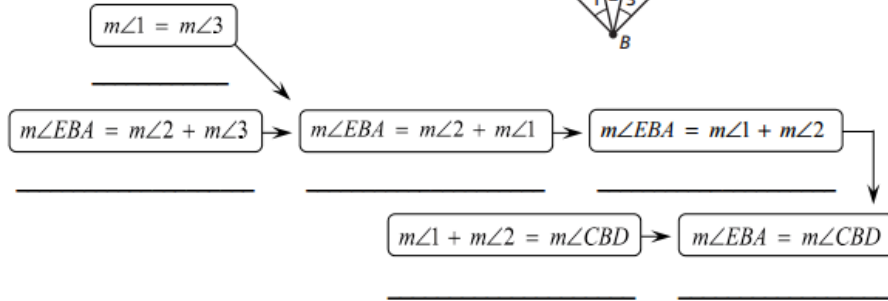
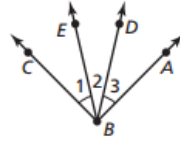


Lesson 2.6 Notes – Proving Angle Relationships

Given $m\angle 1 = m\angle 3$

Prove $m\angle EBA = m\angle CBD$

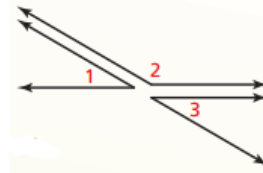


Statements	Reasons
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.

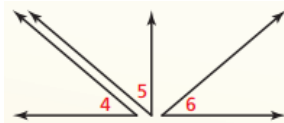
Open your book to p. 106 (p. 61 of Journal). Write the following theorems.

Right Angles Congruence Theorem - _____

Congruent Supplements Theorem - _____

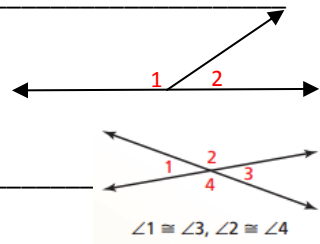


Congruent Complements Theorem - _____

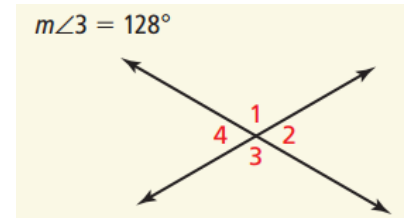


Linear Pair Postulate - _____

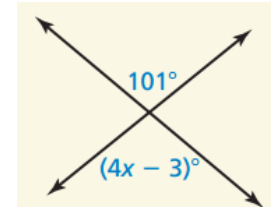
Vertical Angles Congruence Theorem - _____



Use the diagram and the given angle measure to find the other three angle measures.

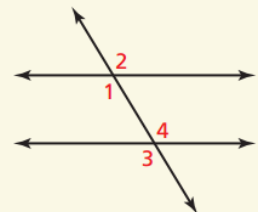


Find the value of x.



Write a paragraph proof.

Given $\angle 1 \cong \angle 4$
Prove $\angle 2 \cong \angle 3$



Chapter 1 Key Postulates and Definitions

Angle Addition Postulate

Segment Addition Postulate

Definition of Midpoint

Definition of Bisector

Definition of Congruence

Definition of Perpendicular

Linear Pair Postulate

Definition of Complementary Angles

Definition of Supplementary Angles

Definition of Vertical Angles