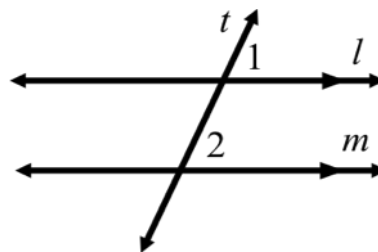


CHAPTER 3: PARALLEL AND PERPENDICULAR

Postulate 3-1: Corresponding Angles Postulate

If a transversal intersects two parallel lines,

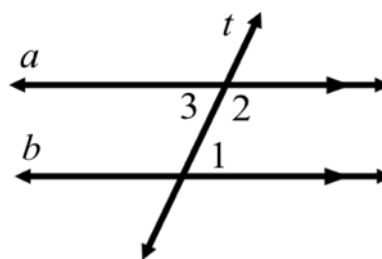


Theorem 3-1: Alternate Interior Angles Theorem

If a transversal intersects two parallel lines,

Theorem 3-2: Same-Side Interior Angles Theorem

If a transversal intersects two parallel lines,

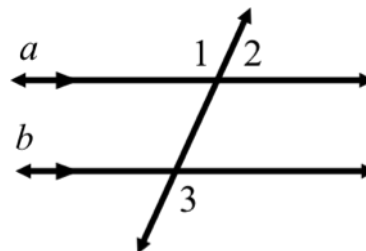


Theorem 3-3: Alternate Exterior Angles Theorem

If a transversal intersects two parallel lines,

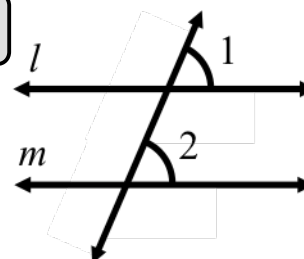
Theorem 3-4: Same-Side Exterior Angles Theorem

If a transversal intersects two parallel lines,



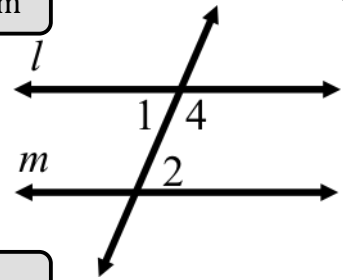
Postulate 3-2: Converse of the Corresponding Angles Postulate

If two lines and a transversal form



Theorem 3-5: Converse of the Alternate Interior Angles Theorem

If two lines and a transversal form

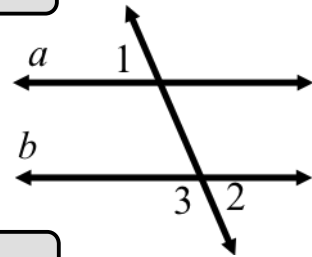


Theorem 3-5: Converse of the Same Side Interior Angles Theorem

If two lines and a transversal form

Theorem 3-7: Converse of the Alternate Exterior Angles Theorem

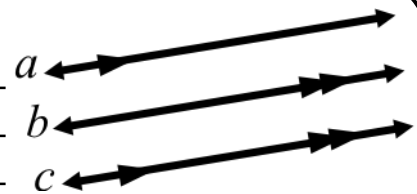
If two lines and a transversal form



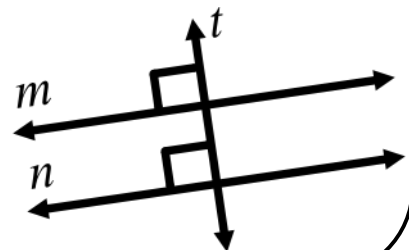
Theorem 3-8: Converse of the Same-Side Exterior Angle Theorem

If two lines and a transversal form

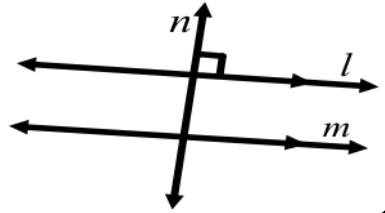
Theorem 3-9



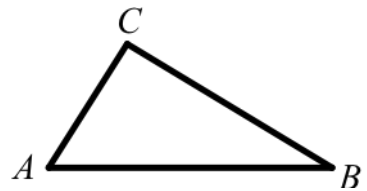
Theorem 3-10



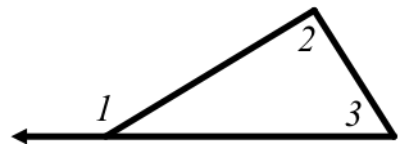
Theorem 3-11



Theorem 3-12: Triangle Angle-Sum Theorem

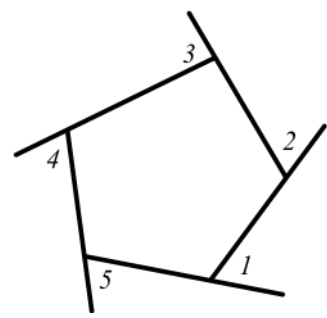


Theorem 3-13: Triangle Exterior Angle Theorem



Theorem 3-14: Polygon Angle-Sum Theorem

Theorem 3-15: Polygon Exterior Angle-Sum Theorem



Slopes of Parallel Lines

Slopes of Perpendicular Lines
