

Geometry

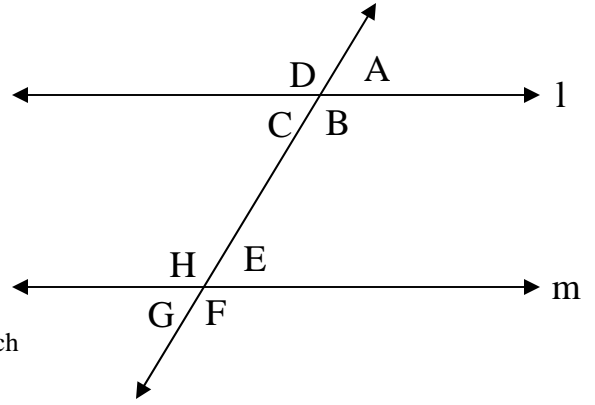
3.5 Properties of parallel lines

Name:

Date:

Period: 1 2 3 4 5 6

transversal



Angles that occupy _____ positions, such

Angles that lie between lines l and m, on _____ sides, such as:

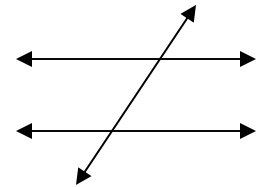
Angles that lie outside of lines l and m, on _____ sides, such as:

Angles that lie between lines l and m, on _____ side, such as:

Corresponding
Angles
Postulate

If

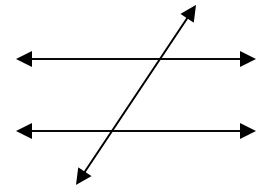
Then



Alternate Interior
Angles Theorem

If

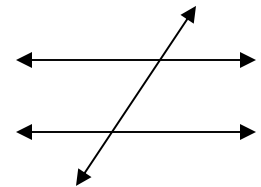
Then



Consecutive
Interior Angles
Theorem

If

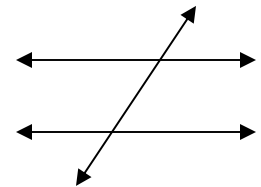
Then



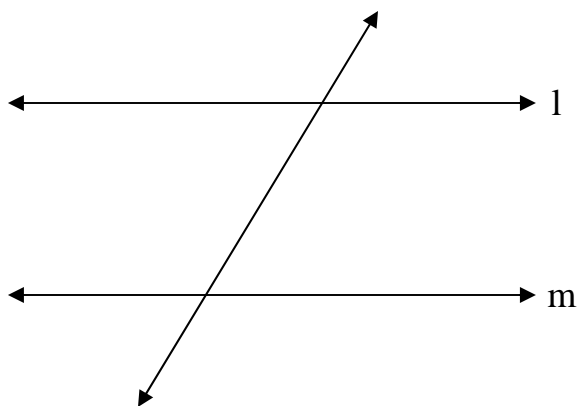
Alternate Exterior
Angles Theorem

If

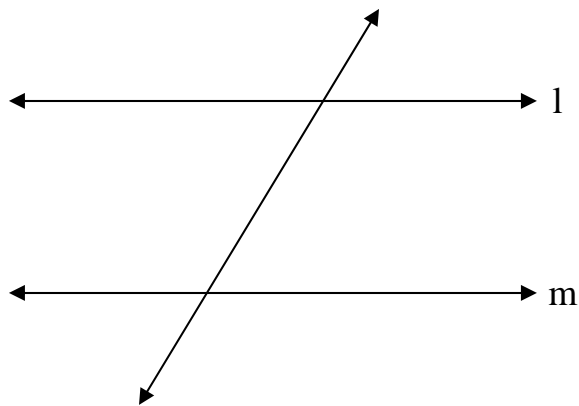
Then



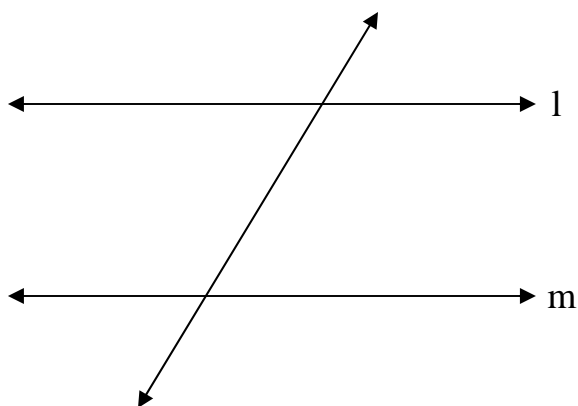
Ex 1 Assume that line l and m are parallel.



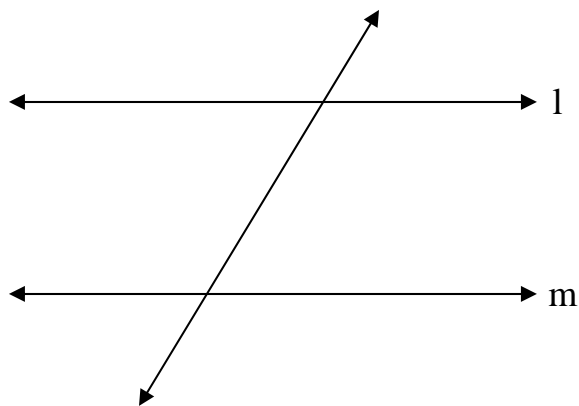
Ex 2 Assume that line l and m are parallel.



Ex 3 Assume that line l and m are parallel.

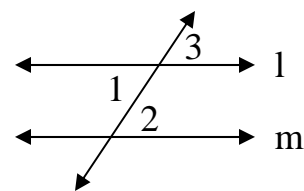


Ex 4 Assume that line l and m are parallel.



Given:

Prove:



Statement	Reason