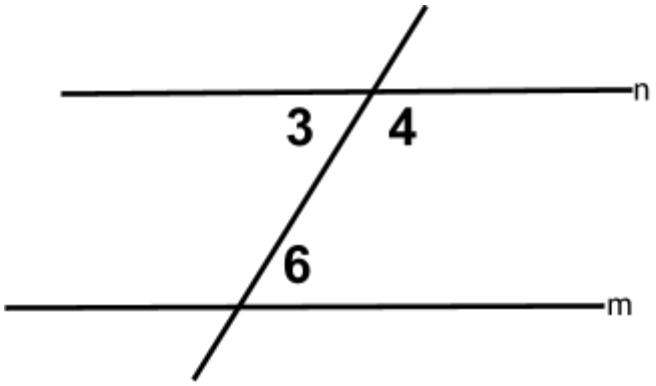
Name: _____ Date: _____ Period:_____
Proofs Practice

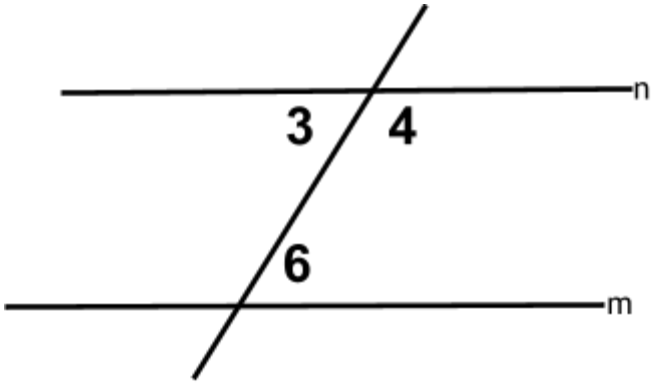
Alternate Interior Angles Theorem
If n||m, prove that alternate interior angles are congruent. (Hint: ∠3 and ∠6 are alternate interior angles, so just prove that they are congruent)



Statement	Reason
1. _____ 2. m∠4 + m∠6 = 180° 3. _____ 4. _____	Linear pair theorem _____ Transitive Property of Equality _____

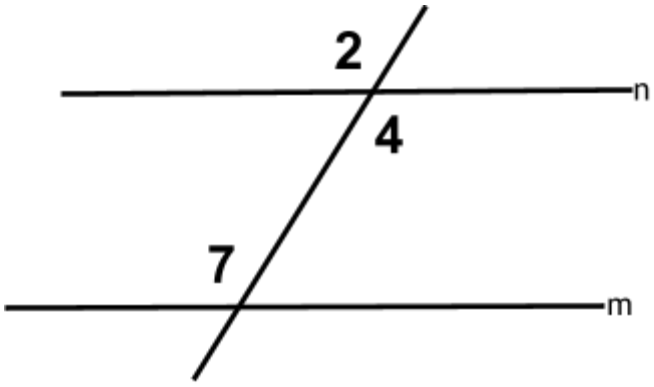
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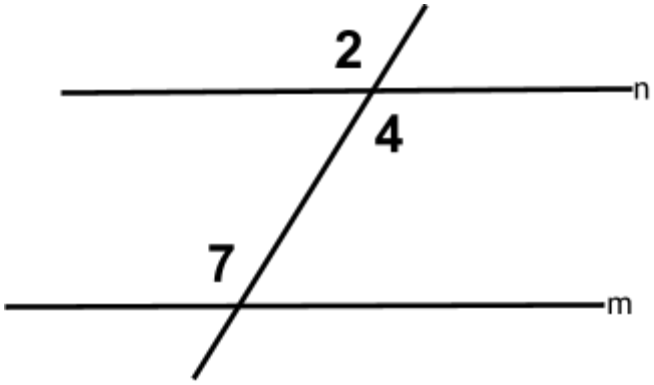
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1. _____ 2. m∠4 + m∠6 = 180° 3. _____ 4. _____	Linear pair theorem _____ Transitive Property of Equality _____

Corresponding Angles Theorem
If n||m, prove that alternate corresponding angles are congruent.



Statement	Reason
1. m∠4 ≅ m∠7 2. _____ 3. _____	_____ Vertical Angles Theorem _____

Corresponding Angles Theorem
If n||m, prove that alternate corresponding angles are congruent.



Statement	Reason
1. m∠4 ≅ m∠7 2. _____ 3. _____	_____ Vertical Angles Theorem _____