Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**Proofs Using Special Pairs of Angles**

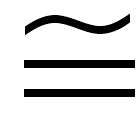
1

*m*

4

1. Given: *m* ││ *n*

*n*

Prove: < 1  < 4

Statements Reasons

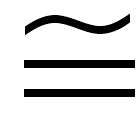
*m*

1



1. Given *m*││*n*

5

Prove < 1  < 5

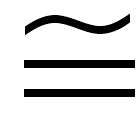
*n*

Statements Reasons

1. Given *m*││*n*

*m*

1

Prove < 1  < 8

*n*

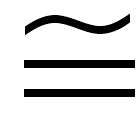
8

Statements Reasons

1. Given *m*││*n*

*m*

4

Prove < 4  < 5

5

*n*

Statements Reasons

1. Given *m*││*n*

*m*

3

Prove < 3 and < 5 are supplementary

*n*

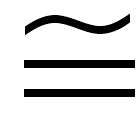
5

Statements Reasons

2

1. Given *m*││*n*

*m*

Prove < 2  < 7

*n*

7

Statements Reasons

1. Given *m*││*n*

*m*

2

1

Prove m < 1 + m < 2 = 180˚

*n*

Statements Reasons

1. Given *m*││*n*

*m*

3

Prove < 3 and < 5 are supplementary

*n*

5

Statements Reasons

1. Given *m*││*n,* m < 4 = 50˚

4

*m*

Prove m < 8 = 50˚

*n*

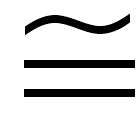
8

Statements Reasons

*m*

1. Given *m*││*n*

4

Prove < 4  < 8

*n*

8

Statements Reasons