

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

## Proofs with Uno Assignment

### Part 1

Using the techniques discussed in class. Prove each problem by using some or all of the cards mentioned in the problem. Complete a two-column proof for each exercise, with statements and reasons in the columns. A reason is needed for each statement. The final statement will be the item being proved.

#### Example:

**Given:** Yellow 4

In your hand you have Red 4, Blue Draw 2, Blue Skip, Green Skip and Green 4.

**Prove:** Blue Draw 2

Statement	Reason
Yellow 4	Given
Green 4	Same Number
Green Skip	Same Color
Blue Skip	Same Symbol
Blue Draw 2	Same Color

All cards could have been played with an additional step by starting the proof with the Red 4.

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

## Proofs with Uno Assignment

1) **Given:** Green Draw 2

In your hand you have Yellow 8, Blue 6, Red Skip and Green Skip.

**Prove:** Red 4

Statement	Reason

2) **Given:** Red Draw 2

In your hand you have Red 8, Yellow 9, Green 9, Green 6, Blue 8, Blue Draw 2 and Red 4

**Prove:** Yellow 4

Statement	Reason

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

## Proofs with Uno Assignment

3) **Given:** Blue 6

You have in your hand Green Reverse, Blue Reverse and a Wild Card.

**Prove:** Red 7

Statement	Reason

4) **Given:** Yellow Draw 2

In your hand you have Green 6, Red 6, Red Reverse, Red Draw 2 and Yellow 6.

**Prove:** Green 7

Statement	Reason

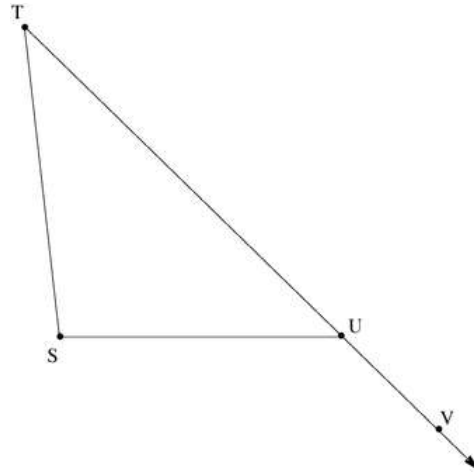
# Proofs with Uno Assignment

## Part 2

**Given:**  $m\angle T = 30$

$m\angle VUS = 135$

**Prove:**  $m\angle S = 105$



Statement	Reason