

## Ch 2- Basic Concepts and Proofs

### Agenda:

#### 2.2 - Complementary and Supplementary angles

#### Objective:

- Recognize complementary and supplementary angles

- 1) Take out HW & Glossary to be checked
- 2) Do Now- Alike but Different!  
Think...Pair...Share...
- 3) Proofs-together
- 4) Practice Problems (If time)

HW: p. 69-71#1, 2, 3, 11, 13

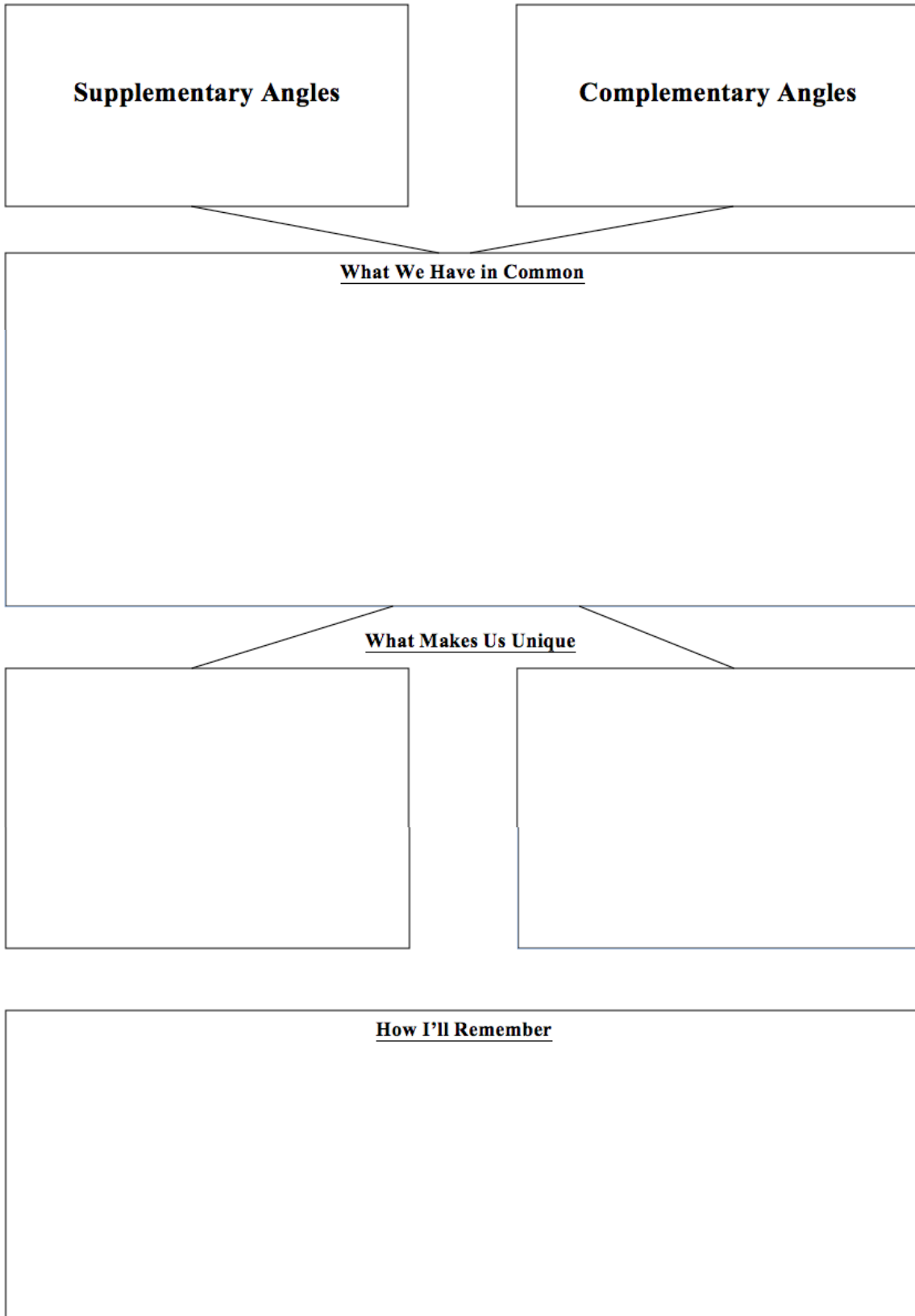
2.3 Glossary- Write down the 5 steps of  
"Procedure for Drawing conclusions"  
(No vocabulary in 2.3)

Quiz Thursday/Friday

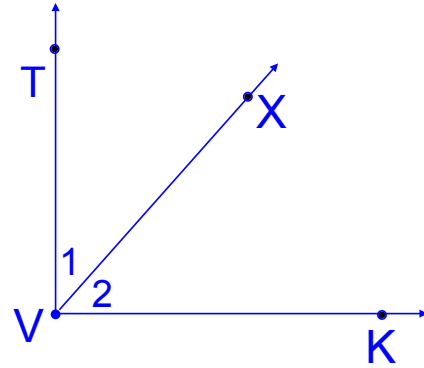
## 2.2- Complementary and Supplementary Angles

DO NOW:

ALIKE BUT DIFFERENT



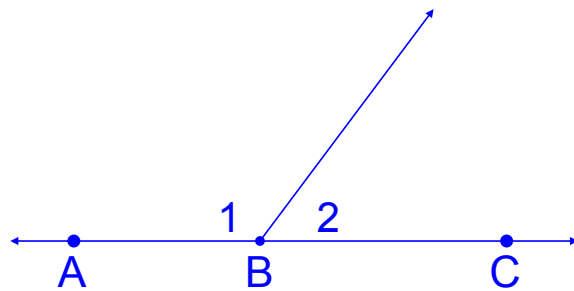
# Practice with Proofs



1) Given:  $\angle TVK$  is a right angle.  
 Prove:  $\angle 1$  is comp. to  $\angle 2$ .

Statements	Reasons
1.	1.
2.	2.

2) Given: Diagram as shown  
 Conclusion:  $\angle 1$  is supp. to  $\angle 2$



Statements	Reasons
1.	1.
2.	2.
3.	3.

## Practice Problems

1) Define the term "linear pair" using the words "adjacent" and "supplementary." Then draw a picture of a linear pair.

2) The measure of one of two complementary angles is three greater than twice the measure of the other. Find the measure of each angle.

3) The measure of the supplement of an angle is 60 less than 3 times the measure of the complement of the angle. Find the measure of the complement.