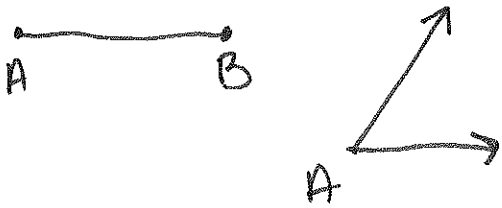
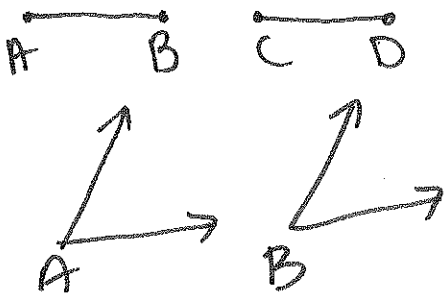


$$9=9$$



- Real numbers:  $a=a$
- Segment Lengths:  $AB=AB$
- Angle Measure:  $m\angle A=m\angle A$

$$5=1+4 \quad 1+4=5$$



- Real numbers:  $a=b$ , then  $b=a$
- Segment Lengths:  $AB=CD$ , then  $CD=AB$
- Angle Measure:  
 $m\angle A=m\angle B$ , then  
 $m\angle B=m\angle A$

"Law of Syllogism"  
cut out the  
middle guy

- Real numbers:  $a=b$ ,  $b=c$ ,  
then  $a=c$
- Segment Lengths:  $AB=CD$ ,  
 $CD=EF$ , then  $AB=EF$
- Angle Measure:  $m\angle A=m\angle B$ ,  
 $m\angle B=m\angle C$ , then  
 $m\angle A=m\angle C$

1

**Reflexive Property**

2

**Symmetric Property**

3

**Transitive Property**