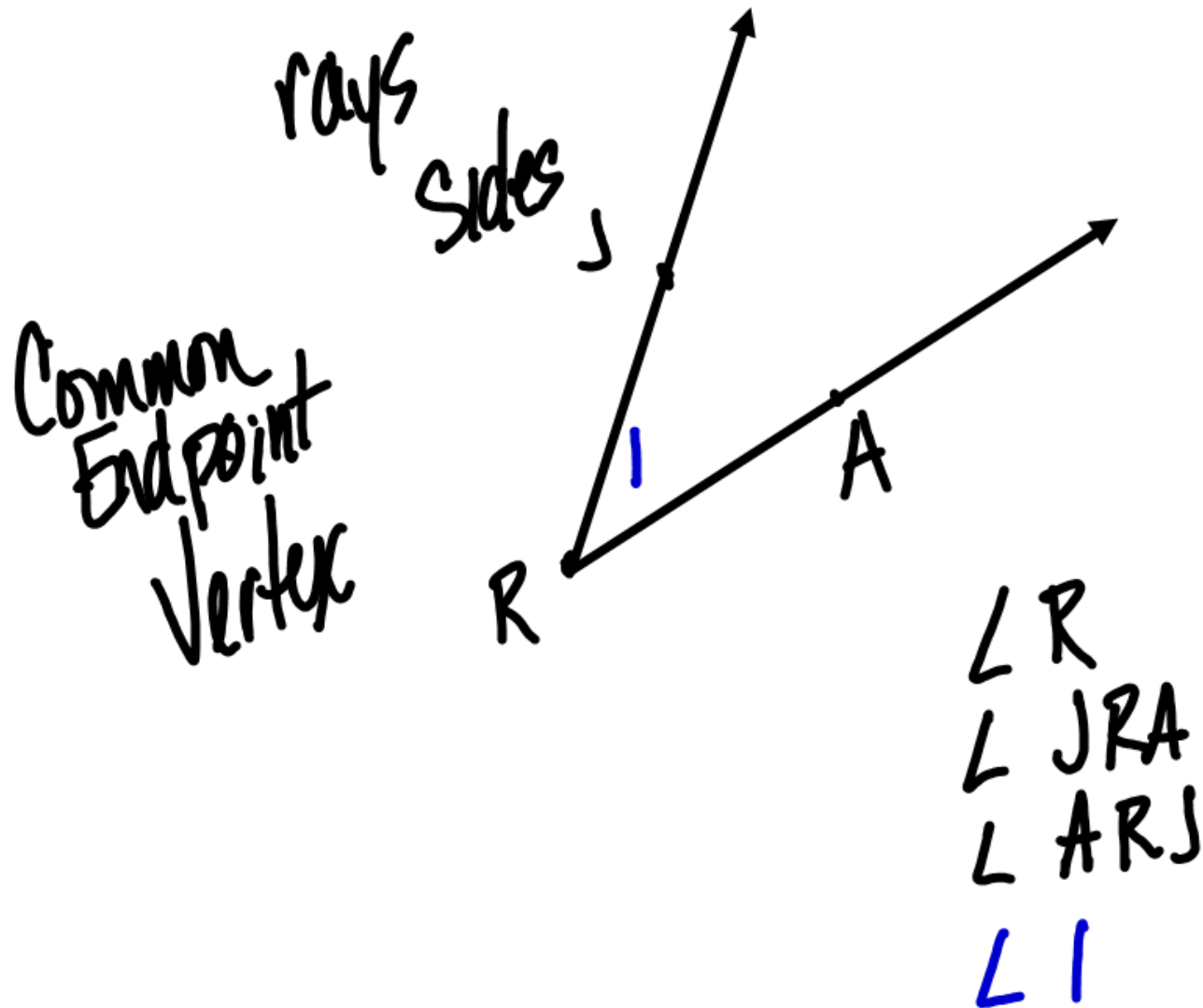
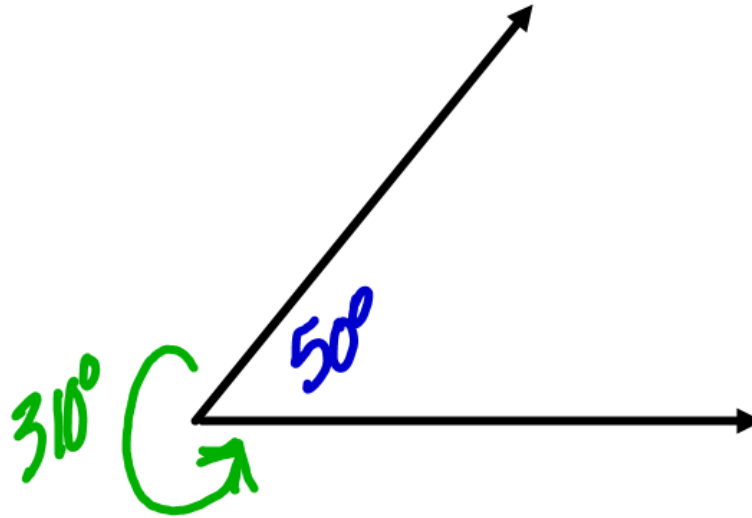


1.3 Measuring Angles



Reflex \angle



Acute \angle

less than 90°

Right \angle

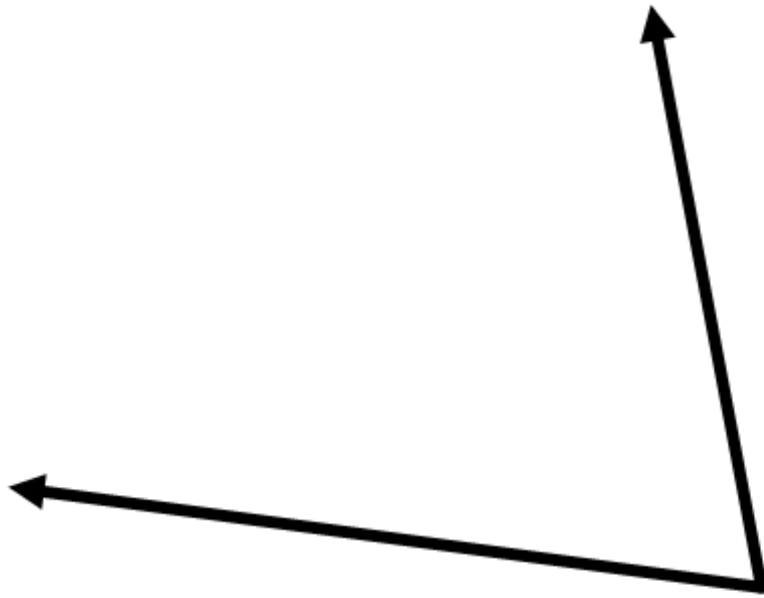
= 90°

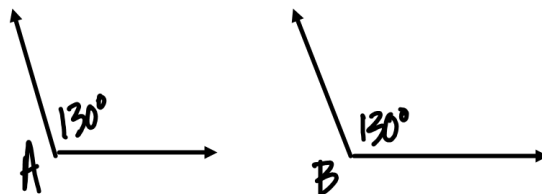
Obtuse \angle

greater than 90°

Straight \angle

= 180°





$\angle A \cong \angle B$ Congruent

Same measurement

$m\angle A = m\angle B$ Numerical



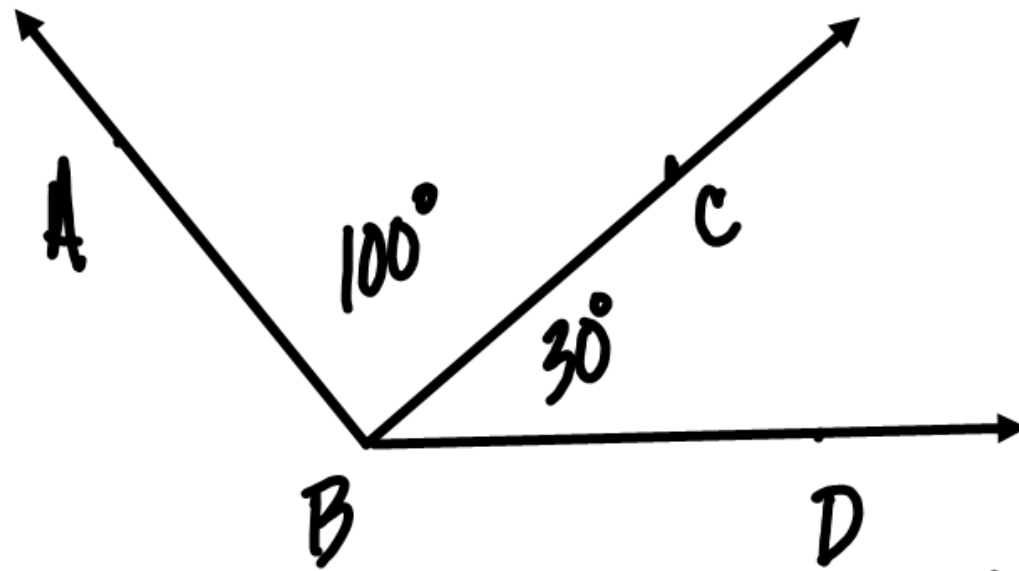
$\angle ABC \cong \angle DEF$

$m\angle ABC = m\angle DEF$

Angle Congruence Postulate

If 2 \angle 's have the same measure
then they are congruent

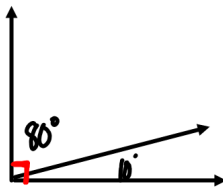
If 2 \angle 's are \cong then they have
the same measure



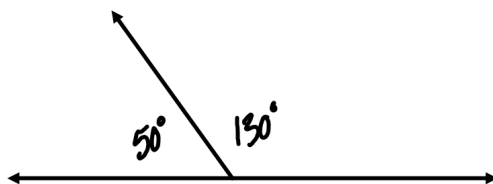
$$m\angle ABD = 130^\circ$$

Angle Addition Postulate

$$\begin{array}{l} \angle ABC + \angle CBD = \angle ABD \\ \text{part} + \text{part} = \text{whole} \end{array}$$



Complementary Angles two \angle s whose sum is 90°



Supplementary Angles 2 \angle s whose sum is 180°

Linear Pair

2 \angle s form a linear pair if they are supplementary

~~C~~omplementary sum 90°

~~S~~upplementary sum 180°

p 30

2, 5

8-46 E