

Transitive Prop

If  $a=b$ ,  $b=c$ , then  $a=c$

Subtraction property

If  $a=b$  then  $a-c=b-c$

Substitution property

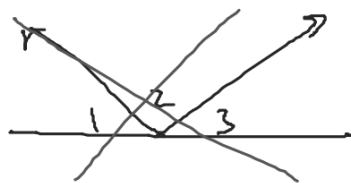
Replace equivalent statements

$$3(5+2) = x$$

$$\downarrow$$
$$3(7)$$

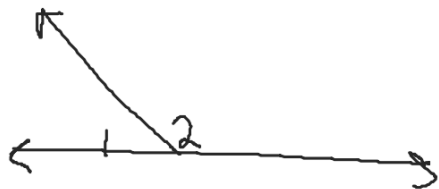
Substitution

Linear Pair - Adjacent Angles whose measures add up to  $180^\circ$



OR

Adjacent Angles that are Supplementary.



Linear Pair Postulate

If  $\angle 1$  and  $\angle 2$  form a linear pair, then

$$m\angle 1 + m\angle 2 = 180^\circ$$