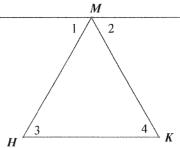
1. Given: $\angle 1 \cong \angle 2$

 $\overrightarrow{JM} || \overrightarrow{HK}$

Prove: ΔHMK is isosceles



	H	
Statement		Reason
	MATHEMATICAL CONTRACTOR OF THE	

2. Solve each equation and state the property of equality or arithmetic as a reason to solve the equation.

a.

$$3(x-11)=15$$

b.

$$\frac{1}{3}(x-1) = 9$$

3x - 33 = 15

x = 16

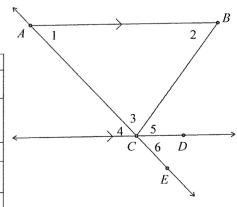
3. Complete the proof below.

Given: $\triangle ABC$ with exterior angle $\angle BCE$ and $\overline{CD} \parallel \overline{AB}$.

Addition Property

Prove: $m \angle 1 + m \angle 2 = \angle BCE$

Statement	Reason	
$1. \overrightarrow{CD} \parallel \overline{AB}$	1. Given	
$2. \angle 2$ and $\angle 5$ are alternate interior angles.	2.	
$\angle 1$ and $\angle 4$ are alternate interior angles.		
3. $\angle 2 \cong \angle 5$, $\angle 1 \cong \angle 4$	3.	
4.	4. Definition of Vertical Angles	
5. ∠4 ≅ ∠6	5.	
5. ∠1 ≅ ∠6	5. Transitive property	
$6. \ m \angle 5 + m \angle 6 = \angle BCE$	6.	
7. $m\angle 1 + m\angle 2 = \angle BCE$	7.	

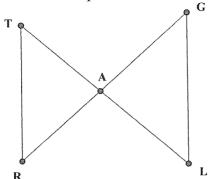


Period:

#4-5	Write a	two-column	proof for the	statements	helow
# 4- J.	willea	two-corumn	proor for me	statements	ociow.

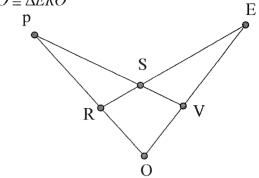
4. Given: $\angle T \cong \angle L$ and A is a midpoint of \overline{RG}

Prove: $\overline{TR} \cong \overline{GL}$



5. Given: $\overline{PO} \cong \overline{EO}$ and $\angle P \cong \angle E$

Prove: $\Delta PVO \cong \Delta ERO$



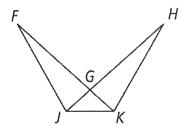
Statement	Reason

Ü				
Statement	Reason			

Create a flowchart proof.

6. Given: $\angle FJK \cong \angle HKJ$, $\overline{FJ} \cong \overline{HK}$

Prove: $\angle F \cong \angle H$



7. Define the following terms:

postulate_____

definition

theorem