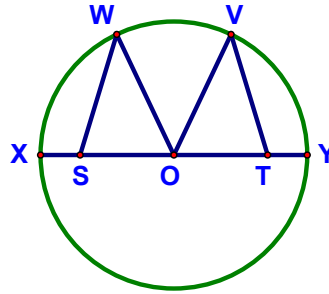


5.

Given:  $\odot O$   
 $\angle SOV \cong \angle TOW$   
 $\angle WSO \cong \angle VTO$

Prove:  $\overline{SO} \cong \overline{TO}$



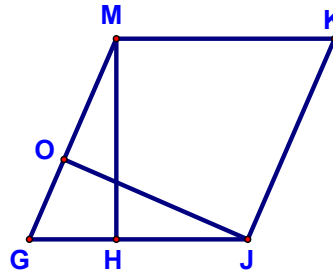
Statements

Reasons

6.

Given:  $GJKM$  is a rhombus  
 $\overline{OJ} \perp \overline{GM}$   
 $\overline{MH} \perp \overline{GJ}$

Prove:  $\overline{MH} \cong \overline{JO}$



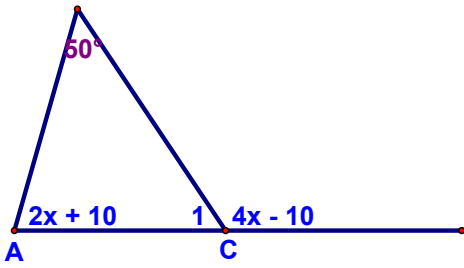
Statements

Reasons

9.

Given: Triangle as marked.

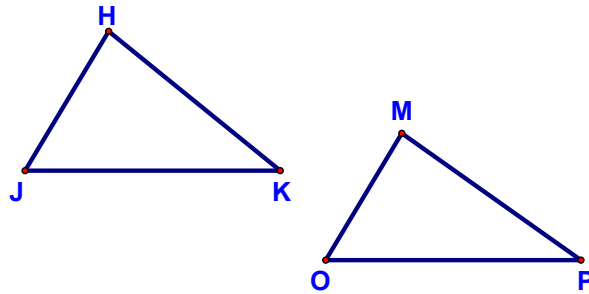
Find:  $m\angle 1$



10.

Given:  $\angle J \cong \angle O$   
 $\overline{JK} \cong \overline{OP}$   
 $\overline{HK} \not\cong \overline{MP}$

Prove:  $\angle H \not\cong \angle M$

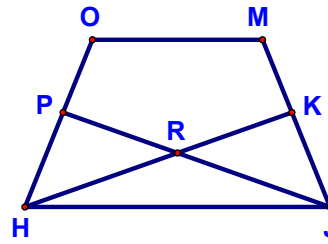


Statements	Reasons

13.

**Given:** OHJM is an isos trapezoid  
with bases  $\overline{HJ}$  &  $\overline{OM}$   
 $\angle HPJ \cong \angle JKH$

**Prove:** a.  $\triangle HRJ$  is isos  
b.  $\overline{HP} \cong \overline{JK}$   
c. R is equidistant from O & M



Statements

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17.

Give the most descriptive name to the figure formed by connecting the consecutive midpoints of each of the following figures. Be prepared to defend your answer in each case!!

- a. Rhombus
- b. Kite
- c. Square
- d. Rectangle
- e. Parallelogram
- f. Quadrilateral
- g. Isosceles Trapezoid