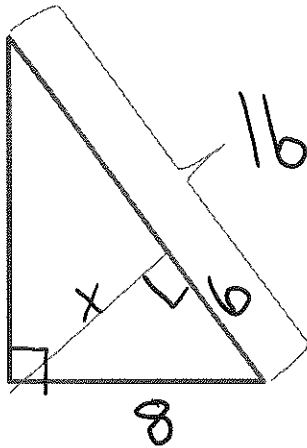
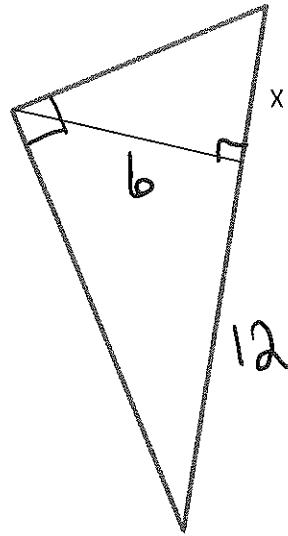


Practice:

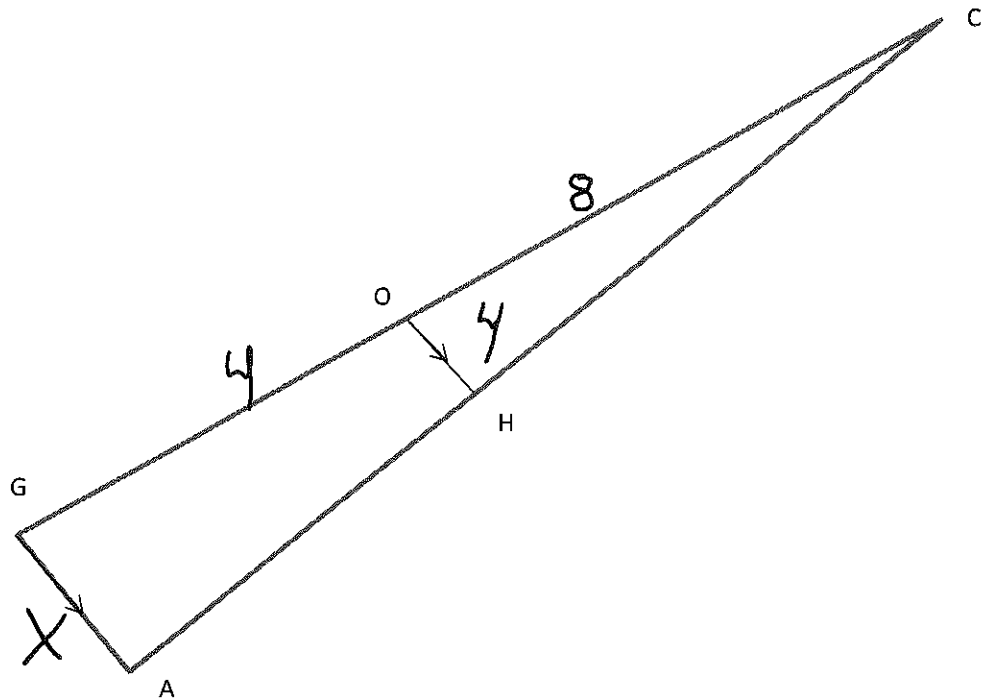
#1)



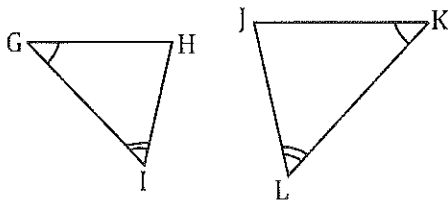
#2)



3.)



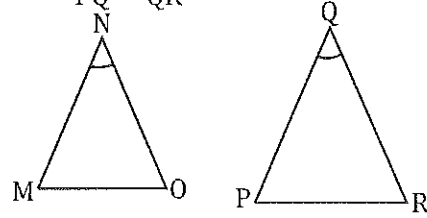
4. Given: $\angle G \cong \angle K$, and $\angle I \cong \angle L$



Prove: $\triangle GHI \sim \triangle KJL$

Statements	Reasons
1. $\angle G \cong \angle K$	1.
2.	2. Given
3. $\triangle GHI \sim \triangle KJL$	3.

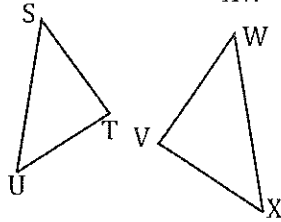
5. Given: $\frac{MN}{PQ} = \frac{NO}{QR}$, $\angle N \cong \angle Q$



Prove: $\triangle MNO \sim \triangle PQR$

Statements	Reasons
1. $\frac{MN}{PQ} = \frac{NO}{QR}$	1.
2.	2. Given
3. $\triangle MNO \sim \triangle PQR$	3.

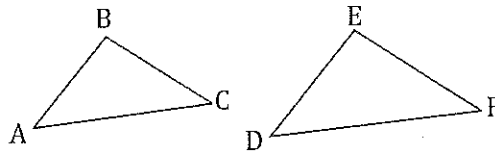
6. Given: $\frac{ST}{WV} = \frac{TU}{VX} = \frac{US}{XW}$



Prove: $\triangle STU \sim \triangle WVX$

Statements	Reasons
1.	1. Given
2.	2. SSS

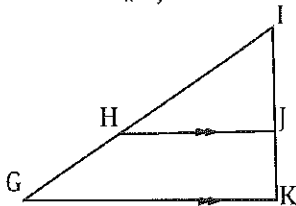
7. Given: $\frac{AB}{DE} = \frac{BC}{EF} = \frac{AC}{DF}$



Prove: $\triangle ABC \sim \triangle DEF$

Statements	Reasons
1.	1. Given
2. $\triangle ABC \sim \triangle DEF$	2. SSS

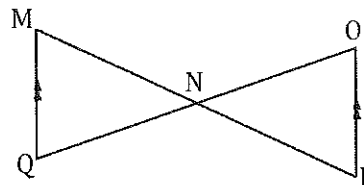
8. Given: $\overline{GK} \parallel \overline{HI}$



Prove: $\triangle GIK \sim \triangle HIJ$

Statements	Reasons
1.	1. Given
2.	2. Corresponding Angles
3. $\angle G \cong \angle JHI$	3.
4. $\triangle GIK \sim \triangle HIJ$	4.

9. Given: $\overline{MQ} \parallel \overline{OP}$

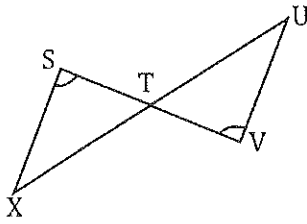


Prove: $\triangle MNQ \sim \triangle PON$

Statements	Reasons
1.	1. Given
2. $\angle QMN \cong \angle OPN$	2.
3.	3. Vertical Angles
4. $\triangle GIK \sim \triangle HIJ$	4.

10.

Given: $\angle S \cong \angle V$

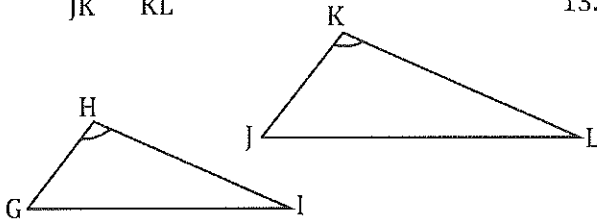


Prove: $\triangle STX \sim \triangle VUT$

Statements	Reasons
1.	1. Given
2. $\angle STX \cong \angle UTV$	2.
3. $\triangle STX \sim \triangle VUT$	3.

12.

Given: $\frac{GH}{JK} = \frac{HI}{KL}, \angle H \cong \angle K$

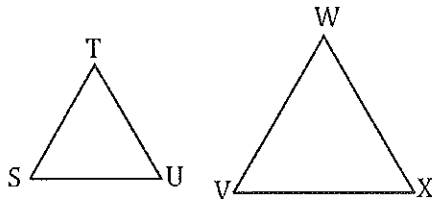


Prove: $\triangle GHI \sim \triangle JKL$

Statements	Reasons
1.	1. Given
2.	2. Given
3. $\triangle GHI \sim \triangle JKL$	3.

14.

Given: $\triangle STU$ and $\triangle VWX$ are equilateral.

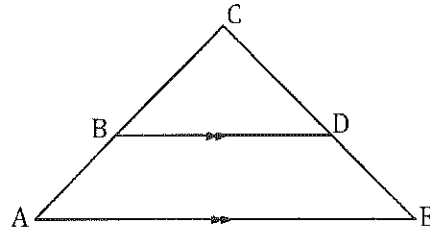


Prove: $\triangle STU \sim \triangle VWX$

Statements	Reasons
1. $\angle S \cong \angle V$	1. Def of Equilateral Triangles
2. $\angle T \cong \angle W$	2.
3. $\angle U \cong \angle X$	3.
4.	4. AAA

11.

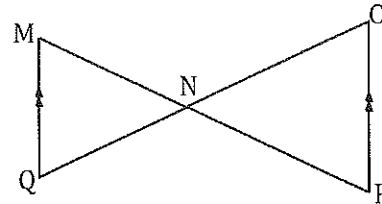
Given: $\overline{AE} \parallel \overline{BD}$



Prove: $\triangle ACE \sim \triangle BCD$

Statements	Reasons
1. $\overline{AE} \parallel \overline{BD}$	1.
2.	2. Corresponding Angles
3.	3.
4.	4. AA

13. Given: $\overline{MQ} \parallel \overline{OP}$

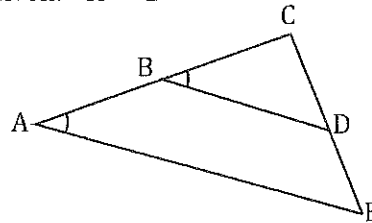


Prove: $\triangle MQN \sim \triangle OPN$

Statements	Reasons
1. $\overline{MQ} \parallel \overline{OP}$	1.
2. $\angle QMN \cong \angle OPN$	2.
3.	3. Alternate Interior
4. $\triangle MQN \sim \triangle OPN$	4.

15.

Given: $\angle A \cong \angle B$

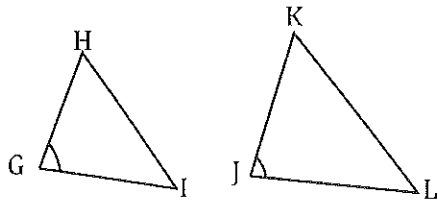


Prove: $\triangle ABE \sim \triangle BCD$

Statements	Reasons
1.	1. Given
2. $\angle C \cong \angle C$	2.
3. $\triangle ABE \sim \triangle BCD$	3.

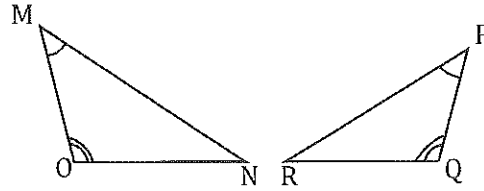
16.

Given: $\frac{GH}{KJ} = \frac{GI}{JL}$, $\angle G \cong \angle J$



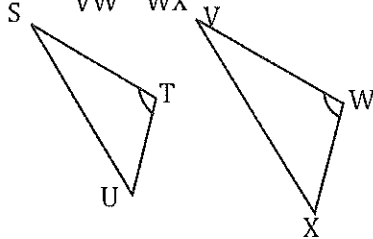
Prove: $\triangle GHI \sim \triangle JKL$

17. Given: $\angle M \cong \angle P$, $\angle O \cong \angle Q$



Prove: $\triangle OMN \sim \triangle PQR$

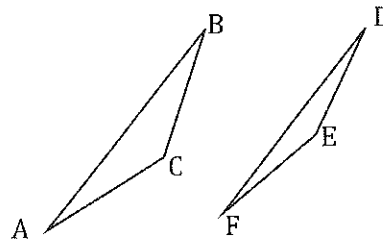
18. Given: $\frac{ST}{VW} = \frac{TU}{WX}$, $\angle T \cong \angle W$



Prove: $\triangle STU \sim \triangle VWX$

19.

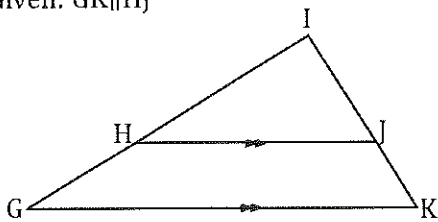
Given: $\frac{AB}{FD} = \frac{BC}{DE} = \frac{CA}{EF}$



Prove: $\triangle ABC \sim \triangle FDE$

20.

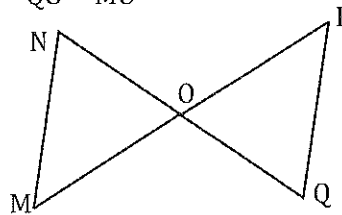
Given: $\overline{GH} \parallel \overline{HI}$



Prove: $\triangle GIK \sim \triangle HIJ$

21.

Given: $\frac{NO}{QO} = \frac{PO}{MO}$



Prove: $\triangle MNO \sim \triangle PQO$