

G: $\overline{EO} \cong \overline{KM}$
 $\overline{FO} \cong \overline{MJ}$
 $\overline{EG} \cong \overline{KH}$, F mdpt \overline{EG} , J mdpt \overline{KH}
 P: $\triangle EFO \cong \triangle KJM$

1. $\overline{EG} \cong \overline{KH}$
 F mdpt \overline{EG}
 J mdpt \overline{KH}

1. GIVEN

S 2. $\overline{EF} \cong \overline{KJ}$

2. DIVISION (1)

S 3. $\overline{EO} \cong \overline{KM}$

3. GIVEN

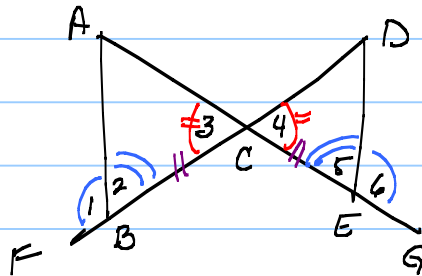
S 4. $\overline{FO} \cong \overline{MJ}$

4. GIVEN

5. $\triangle EFO \cong \triangle KJM$

5. SSS (2 3 4)

17. G: $\angle 1 \cong \angle 6$, $\overline{BC} \cong \overline{EC}$
 P: $\triangle ABC \cong \triangle DEC$



1. $\angle 1 \cong \angle 6$ 1. GIVEN

2. $\angle 2$ supp $\angle 1$ 2. st $\angle \Rightarrow$ supp \angle s

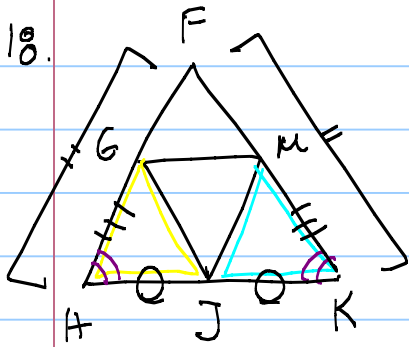
$\angle 5$ supp $\angle 6$

3. $\angle 2 \cong \angle 5$ 3. \angle s supp to $\cong \angle$ s $\Rightarrow \cong \angle$ s

4. $\overline{BC} \cong \overline{EC}$ 4. GIVEN

5. $\angle 3 \cong \angle 4$ 5. Vertical \angle s $\Rightarrow \cong \angle$ s

6. $\triangle ABC \cong \triangle DEC$ 6. ASA (3 4 5)



G: $\overline{FH} \cong \overline{FK}$
 $\angle H \cong \angle K$
 G mdpt \overline{FH}
 M mdpt \overline{FK}
 J mdpt \overline{HK}

C: $\triangle GHJ \cong \triangle MKJ$

1. $\overline{FH} \cong \overline{FK}$

1. GIVEN

G mdpt \overline{FH}

M mdpt \overline{FK}

S 2. $\overline{HG} \cong \overline{MK}$

2. DIVISION

A 3. $\angle H \cong \angle K$

3. GIVEN

4. J mdpt \overline{HK}

4. GIVEN

S 5. $\overline{HJ} \cong \overline{JK}$

5. mdpt $\Rightarrow \cong$ seg

6. $\triangle GHJ \cong \triangle MKJ$

6. SAS (2, 3, 5)

TODAY

7. $\overline{GJ} \cong \overline{MJ}$

7. $\cong \triangle \Rightarrow$ CPCTC