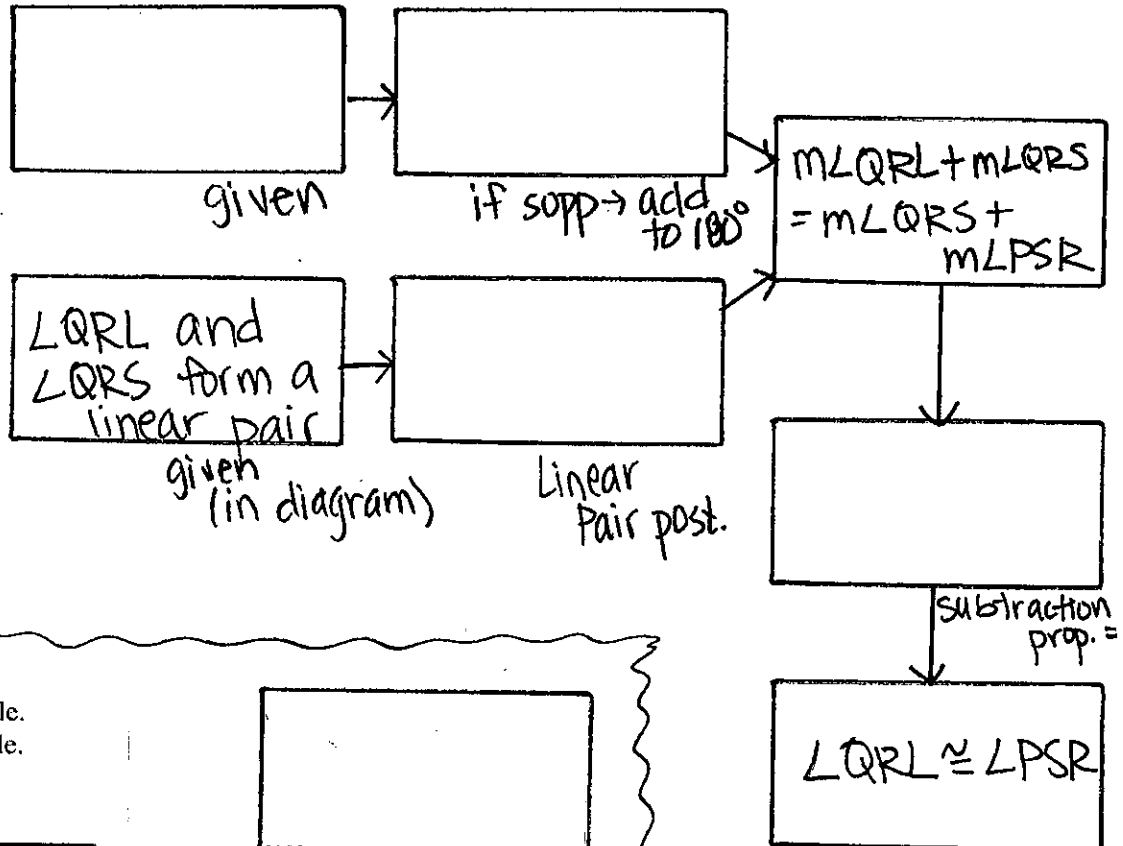
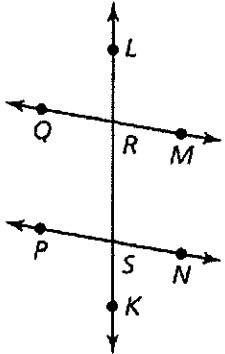


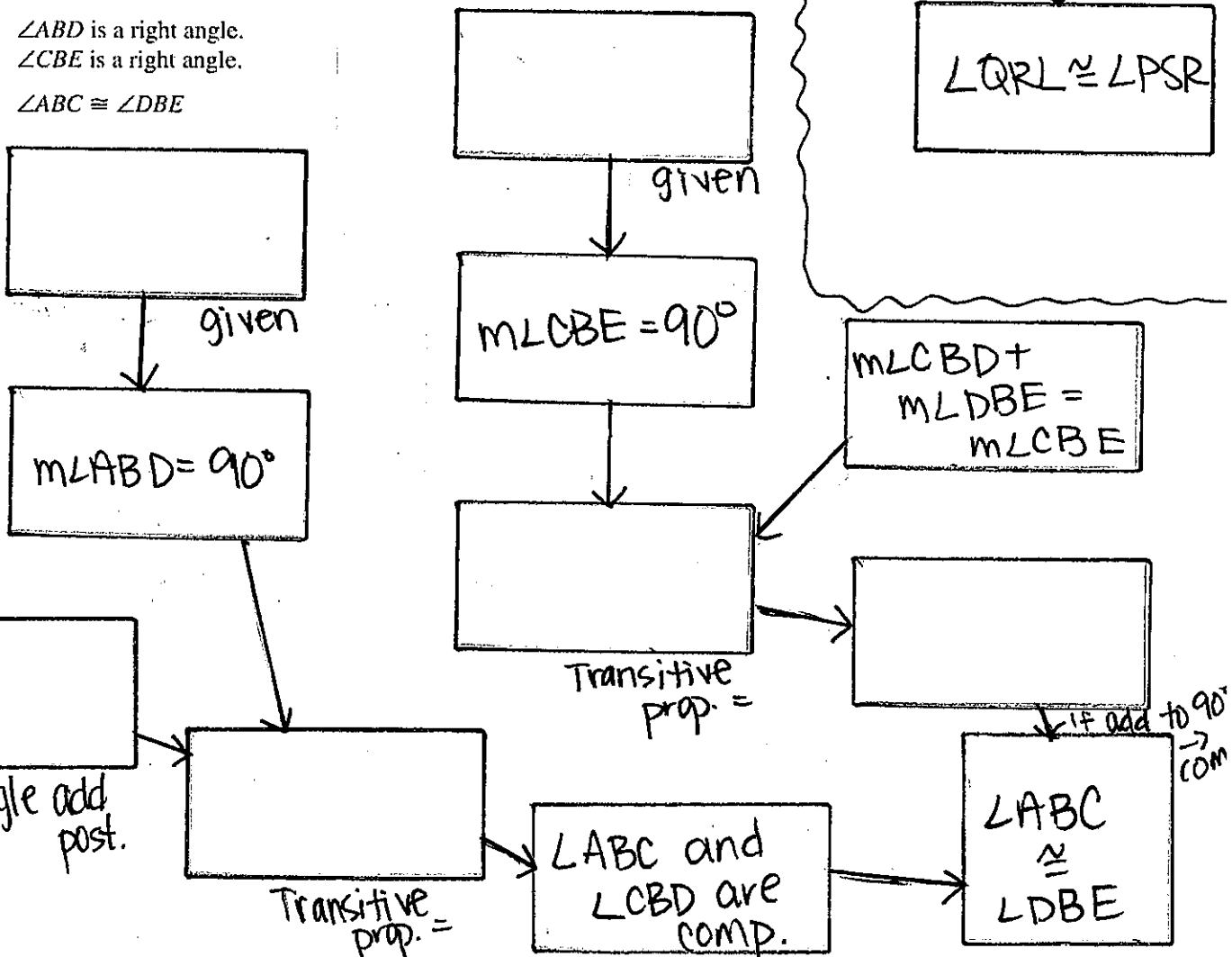
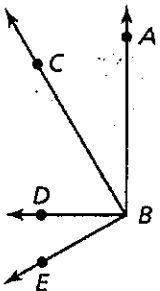
HW #2-10

For #1 and 2, complete the flow chart proofs. Make sure that every statement is paired with a reason.

1. **Given** $\angle QRS$ and $\angle PSR$ are supplementary.
Prove $\angle QRL \cong \angle PSR$



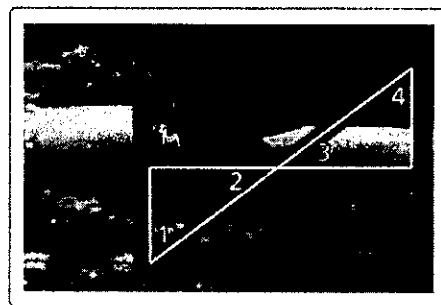
2. **Given** $\angle ABD$ is a right angle.
 $\angle CBE$ is a right angle.
Prove $\angle ABC \cong \angle DBE$



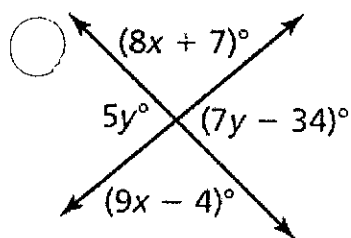
3. Write the ENTIRE flow chart yourself!

Given $\angle 1$ and $\angle 3$ are complementary.
 $\angle 2$ and $\angle 4$ are complementary.

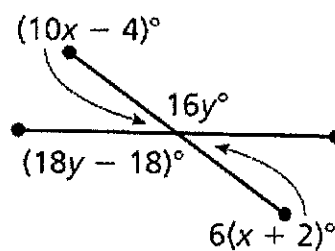
Prove $\angle 1 \cong \angle 4$



4. Find the values of x and y .



5. Find the values of x and y .



6. Find the values of x and y . (HINT: you will need to solve a *system of equations* to find the values of each!)

