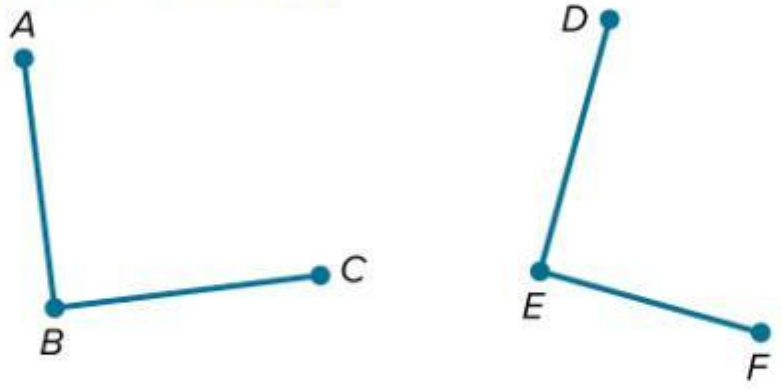
PROOF Complete the two-column proof by dragging the statements and reasons.

Given: $m\angle ABC = m\angle DEF$

$\angle ABC$ and $\angle DEF$ are supplementary.

Prove: $\angle ABC$ and $\angle DEF$ are right angles.



Proof:

Statements	Reasons
1. $m\angle ABC = m\angle DEF$	1. (Empty)
2. (Empty)	2. Definition of ≅ angles
3. $\angle ABC$ and $\angle DEF$ are supplementary.	3. Given
4. (Empty)	4. (Empty)

- $\angle ABC$ and $\angle DEF$ are rt. ∠s.
- $\angle ABC \cong \angle DEF$
- If two ∠s are ≅ and supp., then each ∠ is a rt. ∠.
- Given

LIVEWORKSHEETS