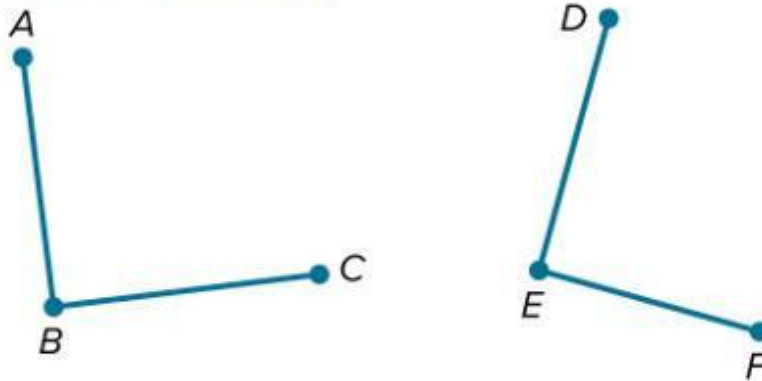


PROOF Complete the two-column proof by dragging the statements and reasons.

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 $\cong$ angles
3. $\angle ABC$ and $\angle DEF$ are supplementary.	3. Given
4. (Empty)	4. (Empty)

$\angle ABC$ and $\angle DEF$ are
rt. $\angle$ s.

$\angle ABC \cong \angle DEF$

If two $\angle$ s are $\cong$ and
supp., then each $\angle$
is a rt. $\angle$.

Given