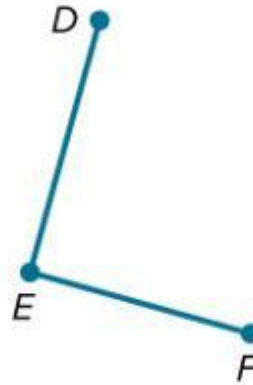
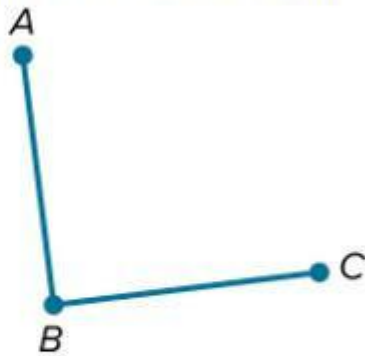


PROOF Complete the two-column proof by dragging the statements and reasons.

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. <input type="text" value="(Empty)"/>
2. <input type="text" value="(Empty)"/>	2. Definition of \cong angles
3. $\angle ABC$ and $\angle DEF$ are supplementary.	3. Given
4. <input type="text" value="(Empty)"/>	4. <input type="text" value="(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