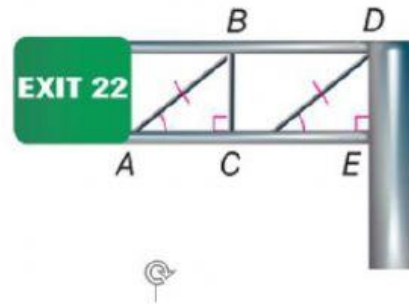


Guided Practice

3. In the sign scaffold shown at the right, $\overline{BC} \perp \overline{AC}$ and $\overline{DE} \perp \overline{CE}$. $\angle BAC \cong \angle DCE$, and $\overline{AB} \cong \overline{CD}$. Write a paragraph proof to show that $\overline{BC} \cong \overline{DE}$.



According to _____; $\overline{BC} \perp \overline{AC}$ and $\overline{DE} \perp \overline{CE}$. $\angle BAC \cong \angle DCE$, and $\overline{AB} \cong \overline{CD}$.

Since $\overline{BC} \perp \overline{AC}$ So $\angle BCA$ is a _____ angle.

Since $\overline{DE} \perp \overline{CE}$. So $\angle DEC$ is a _____ angle.

\angle _____ $\cong \angle DEC$ Since all _____ are congruent.

According to _____; \triangle _____ $\cong \triangle DCE$.

According to _____; $\overline{BC} \cong \overline{DE}$.