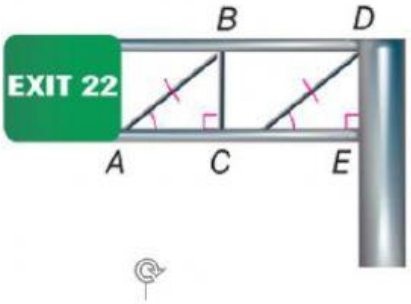
GuidedPractice

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 ∠BCA is a _____ angle.

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

∠ _____ ≅ ∠DEC Since all _____ are congruent.

According to _____ ; △ _____ ≅ △ DCE.

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

LIVEWORKSHEETS