## Example 4:

The drawing below illustrates two poles supported by wires.
$\Delta A B C \sim \Delta G E D . \overline{A F} \cong \overline{\mathrm{CF}}$ and $\overline{\mathrm{FG}} \cong \overline{\mathrm{GC}} \cong \overline{\mathrm{DC}}$.
Find the height of pole $\overline{E C}$.


