Write and Solve Equations by Using Congruence

Find the value of x if Q is between P and R, $PQ = 6x + 20$, $QR = 2(x + 6)$, and $\overline{PQ} \cong \overline{QR}$.



Drag the justifications into the correct order.

Definition of congruence	Substitution	Subtract $2x$ from each side.
Subtract 20 from each side.	Divide each side by 4.	Distributive Property

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