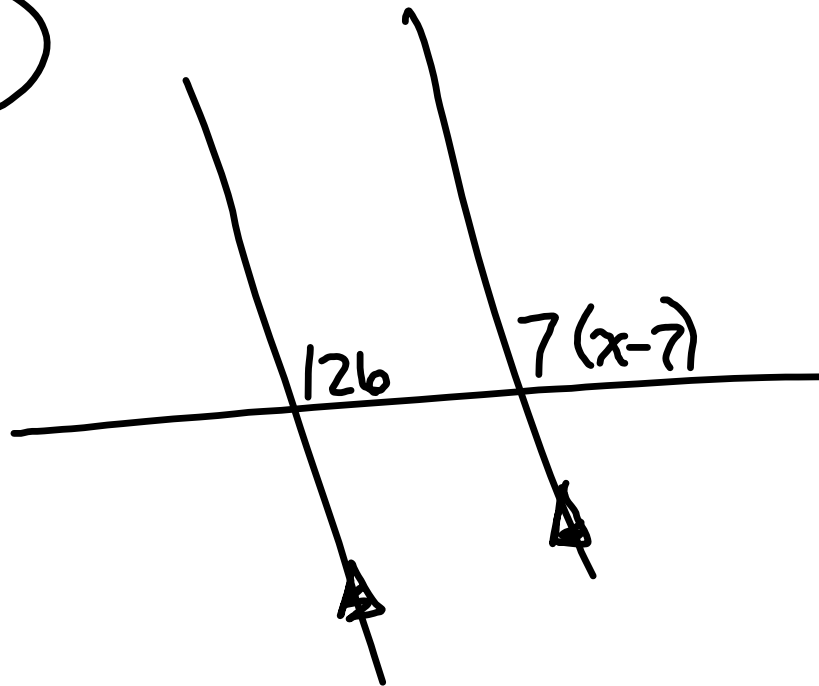


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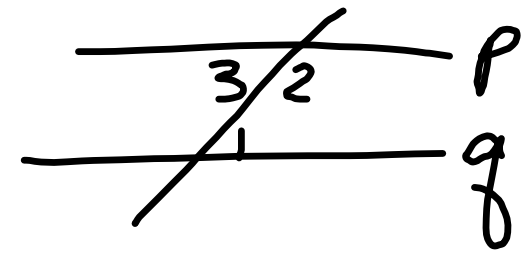
$$7(x-7) = 126^\circ$$

$$7x - 49 = 126^\circ$$

$$7x = 175$$

$$x = 25$$

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Statements	Reasons
1. $p \parallel q$	1. Given
2. $\angle 1 \cong \angle 3$	2. alt int \angle 's \cong
3. $m\angle 1 = m\angle 3$	3. Def $\cong \angle$'s
4. $\angle 2, \angle 3$ are linear pair	4. Def of linear pair
5. $m\angle 3 + m\angle 2 = 180^\circ$	5. Linear pair Post.
6. $m\angle 1 + m\angle 2 = 180^\circ$	6. Sub.
7. $\angle 1, \angle 2$ are supp	7. Def of supp \angle 's.

