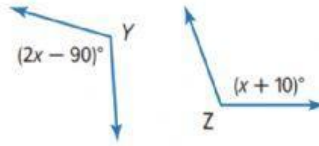




The statements for a two-column proof to show that if $m\angle Y = m\angle Z$, then $x = 100$ are given below. Complete the proof by providing the reasons.



- Subtraction Property of Equality
- Substitution
- Given
- Addition Property of Equality

Statements

Reasons

- $m\angle Y = m\angle Z, m\angle Y = 2x - 90, m\angle Z = x + 10$
- $2x - 90 = x + 10$
- $x - 90 = 10$
- $x = 100$

Four dashed arrow-shaped boxes pointing from the statements to the reasons column.

