Q4)

PROOF Copy and complete the proof of one case of Theorem 12.6.

Given: $\angle 1$ and $\angle 3$ are complementary.
$\angle 2$ and $\angle 3$ are complementary.

Prove: $\angle 1 \cong \angle 2$

Proof:

Statements	Reasons
a. $\angle 1$ and $\angle 3$ are complementary. $\angle 2$ and $\angle 3$ are complementary.	**a.** _____
b. $m\angle 1 + m\angle 3 = 90$; $m\angle 2 + m\angle 3 = 90$	**b.** Definition of angles
c. $m\angle 1 + m\angle 3 = m\angle 2 + m\angle 3$	**c.** _____
d. _____	**d.** Reflexive Property
e. $m\angle 1 = m\angle 2$	**e.** _____ property
f. $\angle 1 \cong \angle 2$	**f.** Definition of angles

LIVEWORKSHEETS