Lorrec	tion,
Q6.	(-2) points
If AR	and BA are c

If AB and BA are defined then A and B are equive matrix.

1) let A=[1] B=[1.1]

Both AB and BA are defined but A and B arong square matrix

AMS) False

Q.7, (-6) points.

2. Show that if V is isomorphic to W then W is isomorphic to VIf V is isomorphic to W then $T: V \rightarrow W$ is isomorphism

T is invertible so there is isomorphism $T^{-1}: W \rightarrow V$ therefore W is isomorphic to V

3. Show that if V is isomorphic to Wand W is isomorphic to U then V is isomorphic to U

Gince Vis isomorphic to W ∓TS T: V→W is isomorphism

Gince W is isomorphic to U there is T:W→U which is isomorphism

Tand T'are muerible then T'. T is also invertible therefore IT: T is isomorphism that means

Vis isomorphic to T