Math 304 Section 1 Quiz 13 8/2/16

Name:_____

Fill in the blanks in the following definitions and theorems.

1. A linear transformation F from a vector space V to a vector space W is called an _____ if there is a linear transformation G from W back to V so that GF is the identity transformation on _____ and FG is the identity transformation on _____.

2. A linear transformation is an _____ if and only if it is a one-to-one correspondence.

3. If a vector space has a basis of n elements and a basis of m elements, then _____.

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