

MATH 253

Today

1. 3.2 Linear Transformations (Understand basic properties of linear transformations.)
2. WeBWorK

Where is today's material used?

1. Physics/math for change of coordinates

Warm-up

Prove directly from the definition that if $T : U \rightarrow V$ is a linear transformation, then $T(au + bv) = aT(u) + bT(v)$ for all $u, v \in U$.

Next Time

1. 3.3 Linear Transformations
2. Note: 2 proofs due Friday (3.1 link).