

# Math 124 – Final Exam – Outline

Exam I Outline + Exam 2 Outline +

Similarities:

1. Definition
2. Stretch, dilation, stretch reflection, stretch rotation – definitions, why they're similarities, fixed points, fixed lines
3. Two fixed points, three non-collinear fixed points
4. Dilatations – uniqueness theorem, Classification Theorem for Dilatations
5. Mapping triangles to similar triangles
6. Similarities as the composition of a stretch and an isometry
7. Classification Theorem for Similarities

Be familiar with all theorems, corollaries, and proofs from class and from hand-in homework.