Final Exam Problems
(30 points each)

1. Resultant (2-D vectors)
2. Moment about a point, moment about a line (3-D vectors)
3. Overall reactions with distributed (triangular) load (2-D equilibrium)
4. Overall reactions (3-D equilibrium)
5. Method of joints, method of sections (2-D truss)
6. Frame, with pin in smooth slot (2-D equilibrium)
7. Centroid, second moment of area
8. Mass center, moment of inertia