

Answers to exam I, winter 1997-98

1. There should be about 5 equations and 5 unknowns.
2. $V = 5/45 \text{ ft/s}$
3. You must show all work for full credit. $v_{\text{out}} = 14.8 \text{ m/s}$
4. There should be about 4 equations and 4 unknowns. The composition table can be filled in easily using that the sum of the mass fractions must equal 1.