

**Problem #1**

Fine.

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**Problem #2**

(b) Your form of the solution is a bit hard to parse from the way you've written  $q(x, t)$ , but it is correct. It would be nicer to draw an  $x$ - $t$  plane figure with the sectors shown where  $q$  is constant and then give the constant values.

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**Problem #13.11**

(c) You showed in (b) that both fields are linearly degenerate, so there are not shocks or rarefaction waves, only contact discontinuities.

Relate to Figure 9.1? Note that intermediate state  $Q_{i-1/2}^*$  in that figure and (9.26) agrees with intermediate state computed in this problem. -2

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**Problem #15.2**

Fine.