

Name _____.

Grade _____.

Date _____.

Concepts	Explains clearly	Explains with hints	Needed correction	Needed full explanation	Did not ask	Grade	Comments
Convergent (4 pts) * Recognizes error decreased as $dt \rightarrow 0$ * Knew definition of consistency * Knew definition of stability * Implications of convergence on cons+stab							
Implicit vs Explicit (2 pts) * Recognized Scheme A more stable * Greater stability is likely to be implicit							
Order of accuracy (3 pts) * Error decreased faster for B than A * Able to estimate accuracy for Scheme A							
Upwind discretizations in 2-D (2 pts) * Understood upwind discretization * Could generalize to 2-D case							
Semi-discrete eigenvalue analysis (3 pts) * Able to perform semi-discrete analysis * Sketch of eigenvalue footprint for $v=0$ * Sketch of eigenvalue footprint general							
CFL condition for 2-D (1 pt) * Able to generalize CFL to 2-D							
General comments:							