

### CE 317: Tutorial 5 (Matrix Stiffness for Trusses)

1. For the truss shown do the following. Support 1 is hinge and support 2 is roller.
  - i. Find the global stiffness matrix for the individual truss members
  - ii. Find the global stiffness matrix for the complete truss
  - iii. Find the unknown joint displacements
  - iv. Find the unknown support reactions
  - v. Find the force in each truss member

