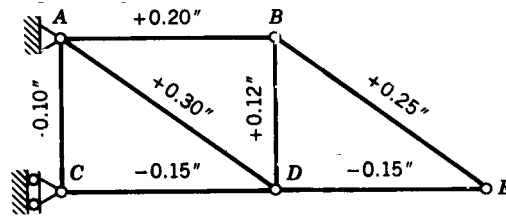


NAME: _____ SSN: _____

- (1) The member length changes shown in the truss are induced by an uneven temperature variation. Compute the vertical deflection of point D by the virtual work method. The truss is formed by 3x4x5 triangles.



- (2) Determine the rotation and deflection of D by the conjugate beam method ($E=200 \text{ GPa}$; $I = 100 \times 10^6 \text{ mm}^4$).

