

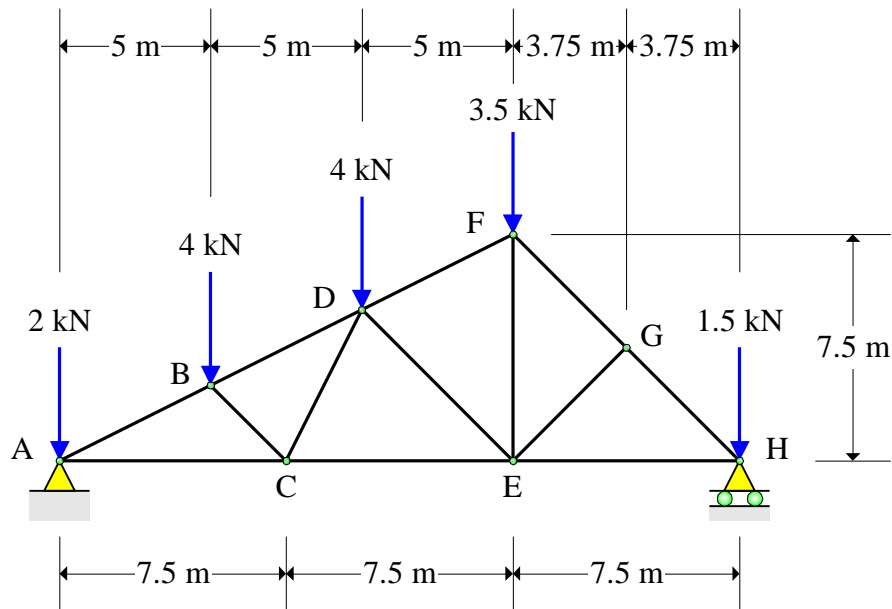
PROBLEM SET 1 – E

ENG 1440

Introduction to Statics

Dr. J. Frye

**Problem 1**



Prove that the slope of members BC, CD, DE and EG is:  
(Hint – Use Similar Triangles)

BC: 1:1

CD: 2:1

DE: 1:1

EG: 1:1

**Problem 2**

If line DC is perpendicular to line ACB and the slope of line ACB is 3:2, prove that the slope of line DC is 2:3.

