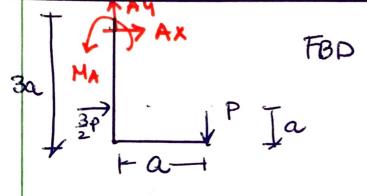


Determine the reactions

@ support A in terms of
Panda

(P,a are Known)

. Draw the structure with reactions with correct sign.



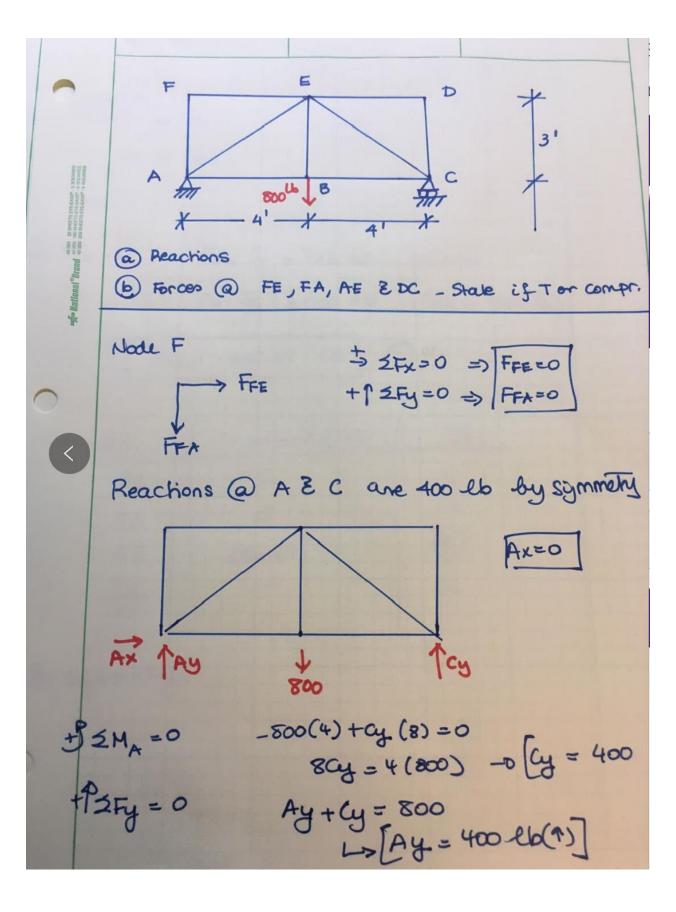
Has to include forces Edistances

Each reaction (Point) x3 distances (1 point)

$$5 \le F_{X=0} \qquad \frac{3}{2}P + A_{X=0} \qquad -0 A_{X=-\frac{3}{2}}P \qquad (1)$$

$$+1 \le F_{Y}=0 \qquad A_{Y}-P=0 \implies A_{Y}=P \qquad (1)$$

 $\frac{3}{2}P$ $\frac{3}$



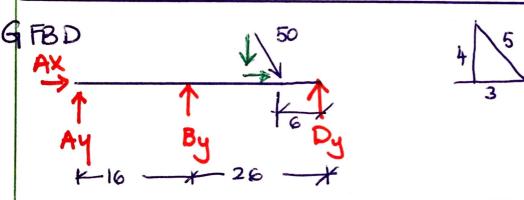
42-381 SO SHEETS EYE-EASE* - 5 SOUR
42-381 SO SHEETS EYE-EASE* - 5 SOUR
42-382 100 SHEETS EYE-EASE* - 5 SOUR

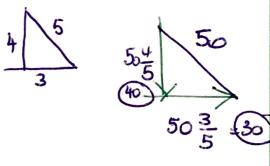
The Continous beam shown in the figure
has an applied load of 50KN @ an angle shown.
Support A is a pin, B and D are rollers and
C is a hinge.

Q How many unknows does this problem

b) Calculate the reactions at A, B, C and D.

Show reactions with their correct signs



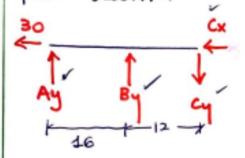


$$+\int \le M_A = 0$$
 By (16) + Dy (26+16) - 40 (20+16) = 0
16 By + 42 Dy = 1440

$$8By + 21Dy = 720$$
 (1)

This problem has 6 unknowns Ax Ay, By, Dy, Caly

Split beam - to get more equations.



Frames

30f3.

Into 1

checks

8(30)+21(229) = 720

Into 2

