

Use Method of Joints

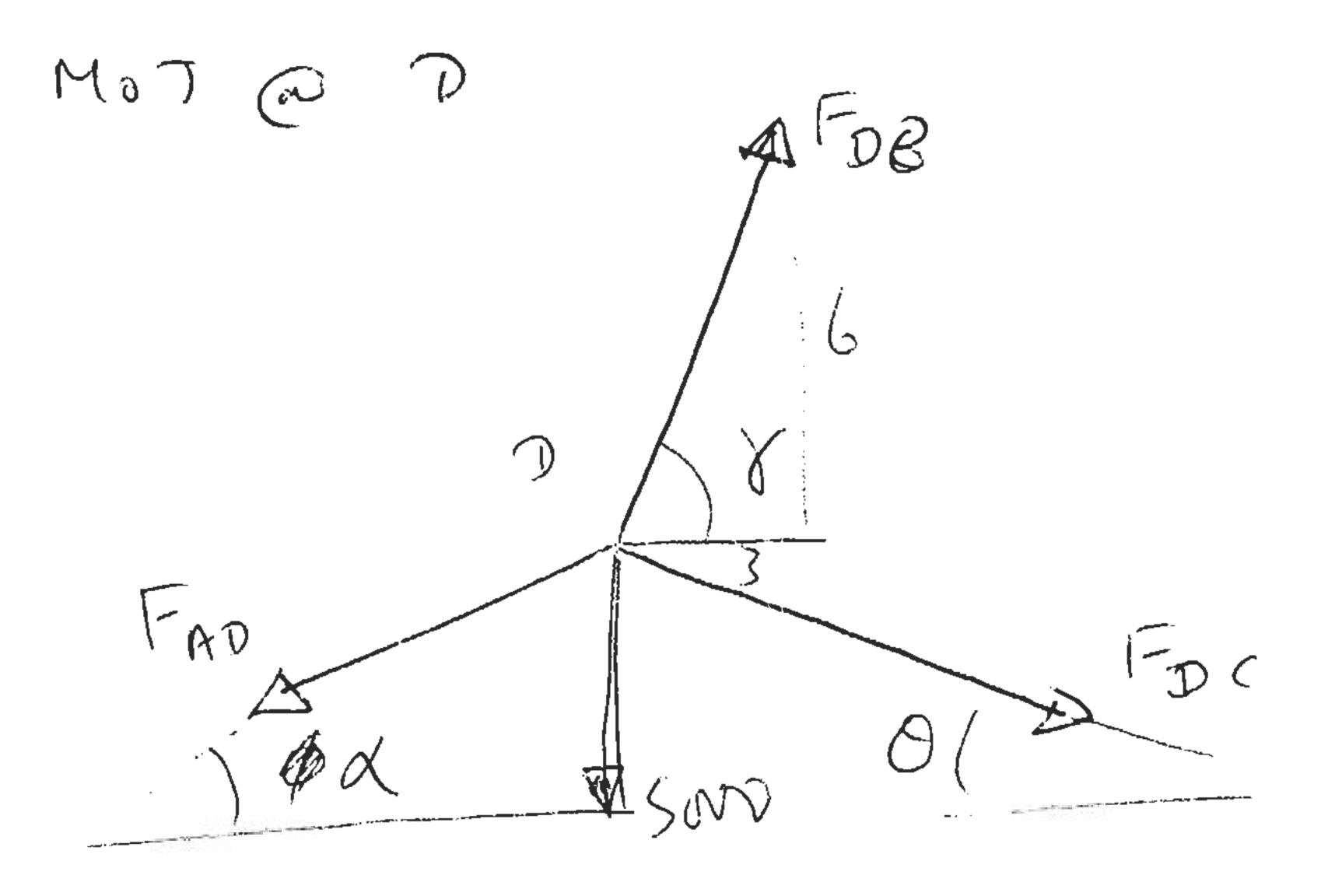
$$\frac{12}{9} = \frac{4}{3}$$

$$\Sigma F_{x} = 0$$
:  $-F_{cD}(\cos 0) - F_{c3}(\cos \phi) = 0$  (1)

$$0 = 26.56$$
  $\cos \theta = 0.844$   $\phi = 0.447$   $\sin \phi = \frac{4}{5}$ 

0447 F<sub>CD</sub> + 
$$\frac{3}{5}$$
 F<sub>CB</sub> --8000 (2)

$$Pm(I)$$
  $F_{CB} = -\frac{5}{4} \times 0.894 (4-17897)$   
 $F_{CB} = +2000016$ 



$$\cos |u_{1}| = \frac{1}{18} \cdot \frac{1}{3} \times 10^{\circ}$$

$$(35) = \frac{1}{3} = \frac{1}$$

$$\sum F_{x} = 0 - F_{AD} 808 \times + F_{9C} (050 + F_{9B} 808) = 0$$

$$\sum F_{y} = 0 - F_{AD} \sin \times - 5000 - F_{9C} \sin 0 + F_{9B} \sin 1 = 0$$

Substitute for Fac = - 17897 kN

$$37 \times 4 \times 0.949 - 3$$
 $0.316$ 

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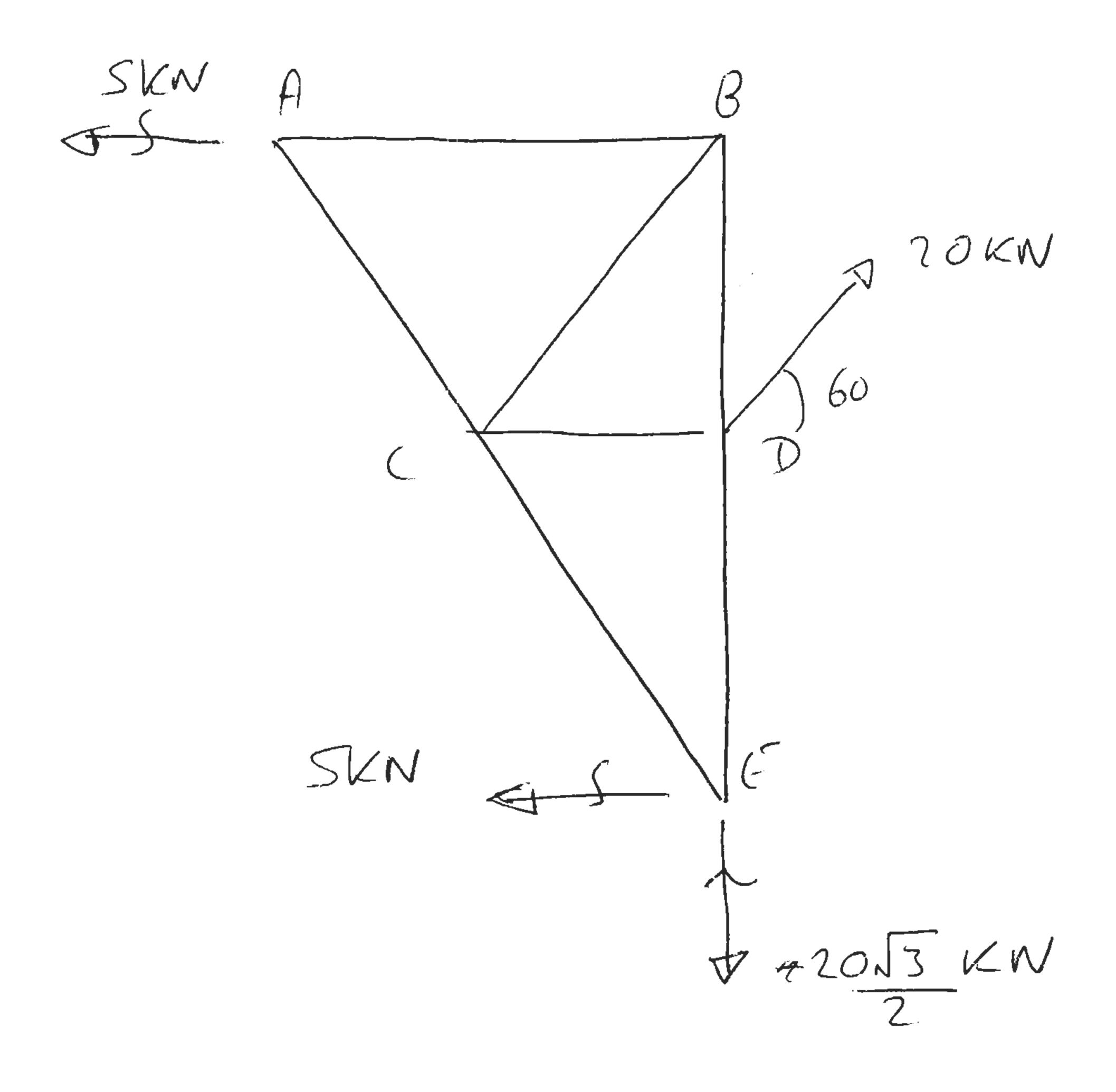
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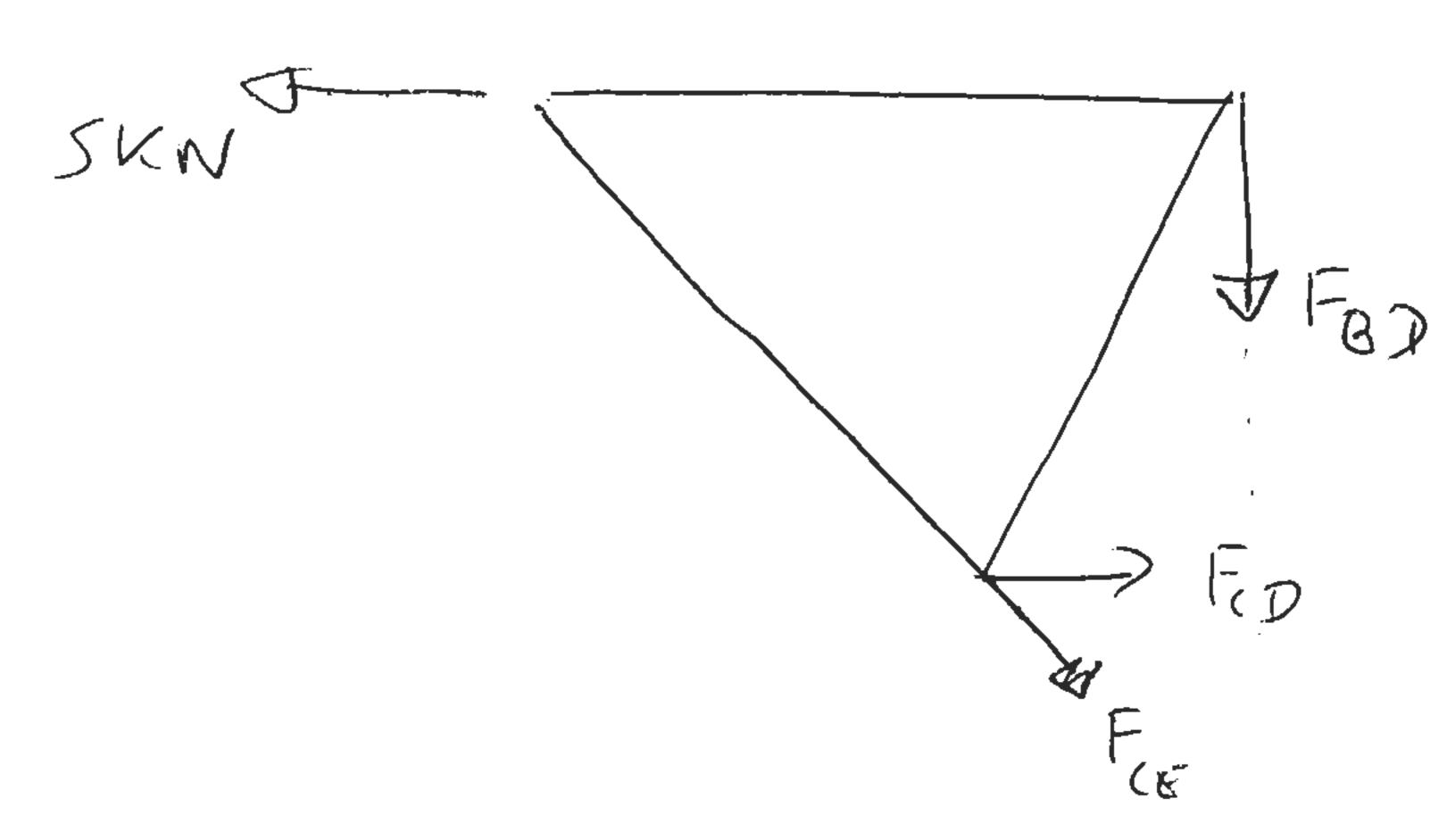
11 -44 +

ALCOHOLD

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Method of Sections



Take moments about E ( (F82+Fiz Intersect)

[F82+Fiz Intersect)

[SM==0: + SKN 2(05300- Fiz (05300=0

F0=+10 KW