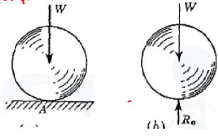
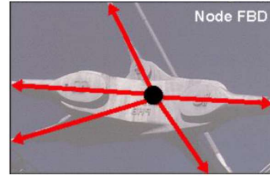


Free body diagram

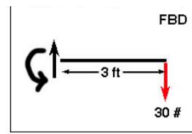
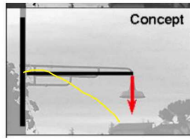
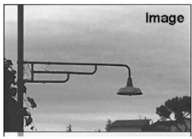
Example-1



Example-2

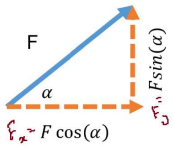


Example-3



Resolution of Force

Method of project.



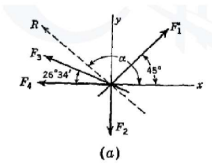
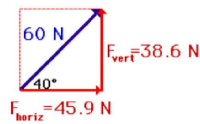
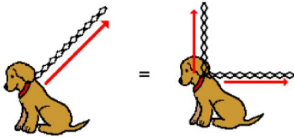
$$F_x = \text{Htz comp of } F$$

$$F_y = \text{Vrt comp of } F$$

$$F = \sqrt{F_x^2 + F_y^2}$$

↳ magnitude of F

$$\tan(\alpha) = \frac{F_y}{F_x}$$



Force	(Mag.) lb
F ₁	150
F ₂	100
F ₃	120
F ₄	80

Suprise test #1

Submit in pdf (from word or latex)

Due by 5:20 pm today

Marks #1 2

Find 'R' & 'alpha'

if found copying you will get zero marks