The following problems all involve a sign hung from two different ropes.

There are 3 forces acting on the sign:

1-gravity,
Which has direction down
and magnitude given by Fy-mg

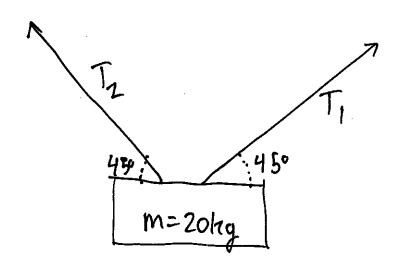
2+43:

These forces were met be broken into components

In all of these problems, the eds sign is not moving, which means that $\Sigma F_x = 0$ and $\Sigma F_y = 0$.

these can be used to determine any unknown forces.





Draw a free-lody diagram here

Fill out the following table in terms of two untroum variables, T, and Tz

Horizontal Forces		
Force	Magnitule + sign	

Vertical Forces
Force Magnitude + 579 m

Solve for To my Tr

72 300 m=30hg Draw a free body Liagram

Fill in the following tables in terms of two unknown variables, To end Tz:

Harizontel Forces Force Magnituder sign	= t >	Vertical Forces Force Mugnitude + sign
	1.	
Oue the equations		

Ouse the equations

EFX=0 and EFy=0

to create equations.

@ Solve for T1 and T2