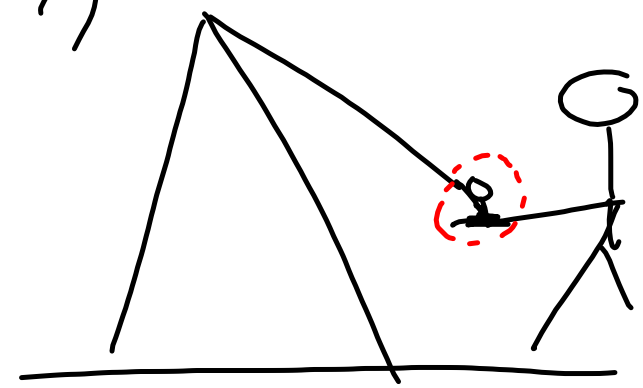
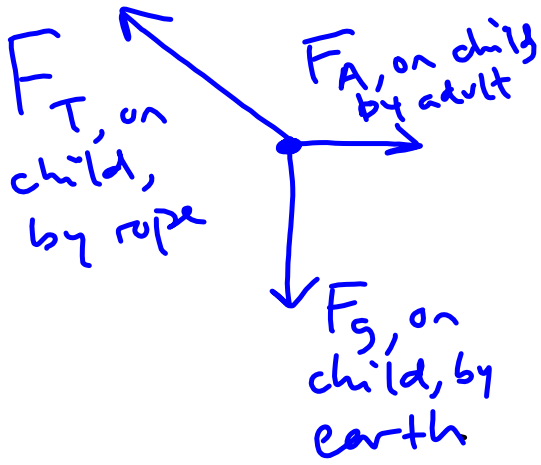
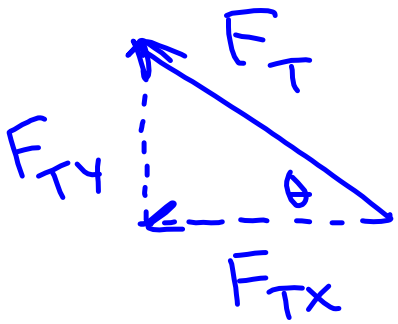
Worksheet 16

7)



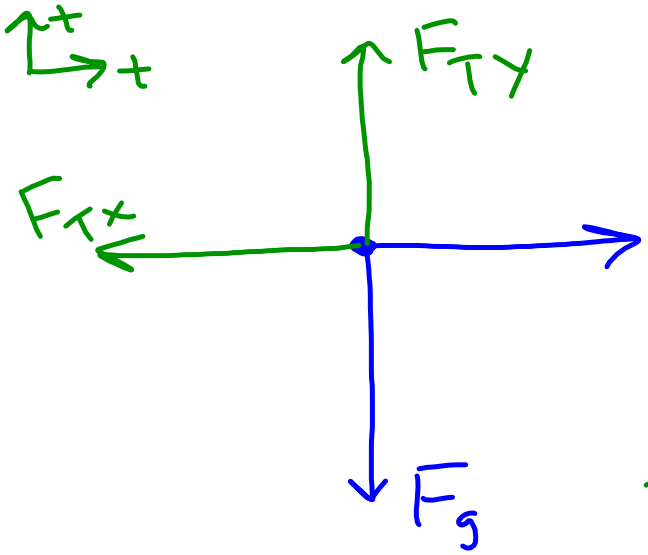




$$\sin\theta = \frac{F_{TY}}{F_T}$$

$$\cos\theta = \frac{F_{TX}}{F_T}$$

$$\tan\theta = \frac{F_{TY}}{F_{TX}}$$



x-direction

$+F_A - F_{TX} = 0$

y-direction

$+F_{TY} - F_g = 0$