Quiz 16	-
Find the tension in both ropes.	
50'	
70'	
$\left[10 \text{ kg}\right]$	

50 T₂ 70' \mathcal{T}_{1} 10 kg $\sqrt{F_{f}} = m_{g} = (10)(9.8) = 98N$ V \mathcal{T}_{1} 70 $\frac{1_2}{\sin 70^{\circ}} = \frac{Fg}{\sin 70^{\circ}}$ $\frac{1_2}{\sin 70^{\circ}} = \frac{1}{72} = \frac{1}{72}$ 70 50 Fg Tz 56 $\frac{T_{1}}{\sin 40^{\circ}} = \frac{F_{q}}{\sin 70^{\circ}} = \frac{T_{1}}{67} = \frac{5in}{57n} \frac{90^{\circ}}{70^{\circ}}$