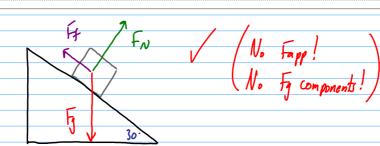
Quiz 36

A skier starts at rest on a 30° slope. Assume that the coefficient of friction is 0.12. a) Draw an FBD of the skier on the slope. b) Determine the skier's acceleration.





b)
$$f_{1}$$
 f_{N} f

$$a = \frac{f_{g_{11}} - f_{\zeta}}{m} = \frac{\eta h_g \sin 30^{\circ} - \mu \eta h_g \cos 30}{\eta h}$$