Forces on Ramps

Friday, January 06, 2012

9:38 AM

Use if ned

A ramp is a sloped surface AKA: the inclined plane

Fg = Straight

5 cos 0

Fr = support force
900 Surface

Fg

Usathis Fret on a ramp

A cat of mass 10 kg is on a frictionless ramp inclined at 30°, what is the unbalance Force acting on the cat?

30°

Framp = 1/9 & in 8 = 1009,8) & in 30 = 1009,8) & in 30

= 10 9.8) (25 30 = 80.