

P12 - 3.5 - Dynamics Trig HMK

Find the acceleration of the force of 80 N on a 25 kg object hold at an angle of 30° above the horizontal on a frictionless surface.

Find the acceleration of the force of 120 N on a 55 kg object hold at an angle of 20° above the horizontal on a frictionless surface.

Find the mass of an object which accelerates at 5 m/s^2 by a force of 60 N at an angle of 15° above the horizontal on a frictionless surface.

Find the force required to accelerate an 8 kg object at an angle of 40° above the horizontal on a frictionless surface.