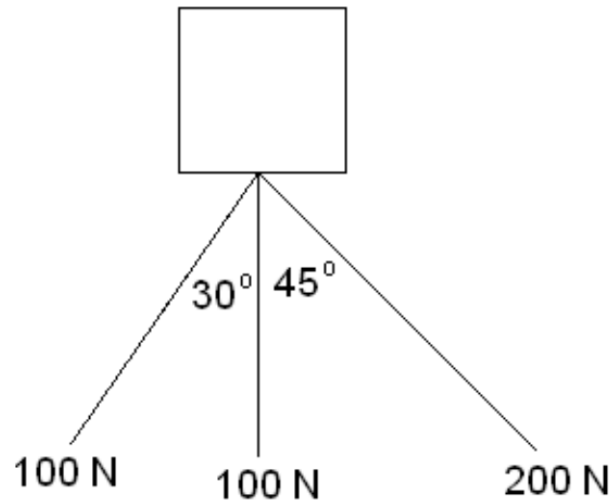


Dynamics Hand-In

Name: _____

Three forces are acting on a box as shown. (The box is shown from the top with South being towards the bottom of the page).



What is the sum of the forces acting on the box? (5 points)

If the box started from rest and increased in speed to 2 m/s in 10 s, what is the acceleration of the box? (2 points)

What is the net force acting on the box if its mass is 1500 kg? (1 point)

What is the frictional force acting on the box? (2 points)