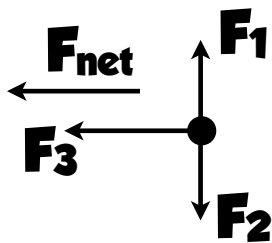


Newton's Laws of Motion– Free Body Diagrams (fdb)

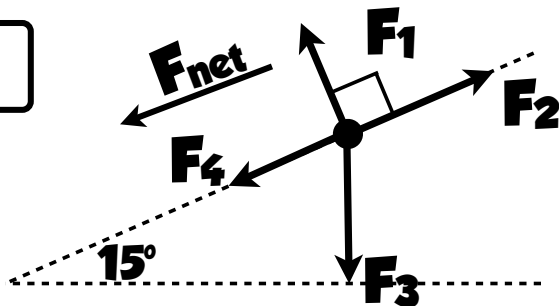
Write the expression for summing up the forces in the x and y directions for each free body diagram shown below.

1



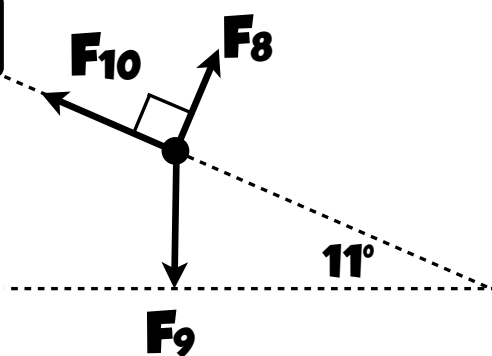
The body is moving from left to right and is slowing down.

2



The body is speeding up as it slides down the incline.

3



The body is moving up the incline at a constant velocity.