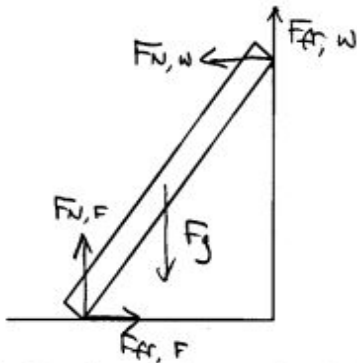


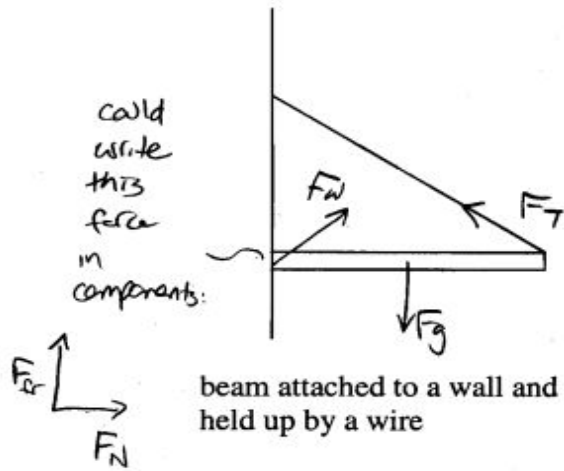
**Ph191M – Free-body diagrams  
for non-concurrent forces**

Solution Set

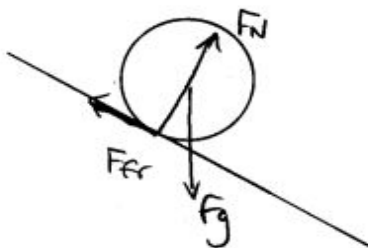
Draw the free-body diagrams for the following situations.



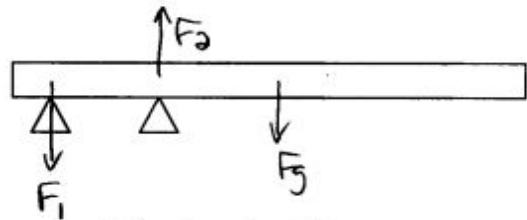
ladder leaning against wall – both wall and floor have friction



beam attached to a wall and held up by a wire



ball on an inclined plane



diving board with two supports at one end