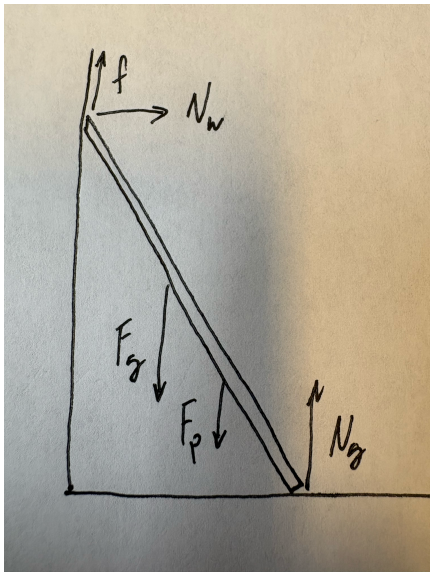
Physics I: Midterm Exam Example Problems Answers

Example Short Answer Questions

1. 

2. She can't precisely determine the coefficient of static friction, since it relates to the maximum force exerted by friction before it starts to move. Since the box isn't moving, she can only conclude that the coefficient of static friction would be greater than the ratio of the force she applied and the normal force.

Example Problem

a. v_0=18.4 m/s

b. 21.2 m

c. 52.8N, 68.2° below the horizontal