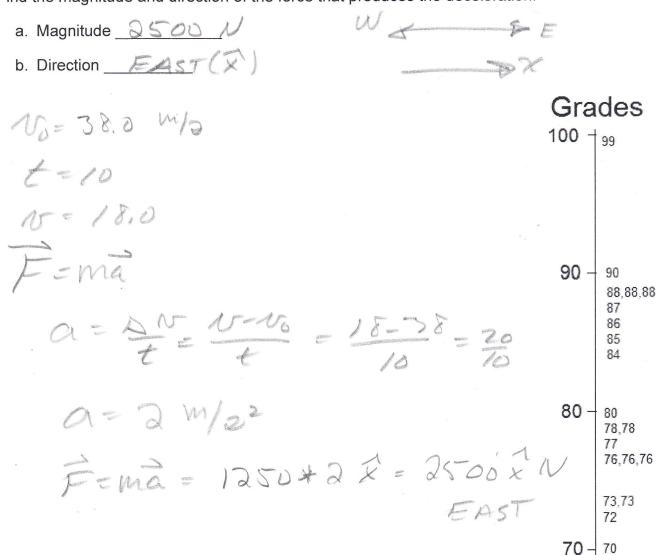
PHYS 211 College Physics I Exam 3C

October 25, 2017		
Name J, C	DALY	

1. A 1250 kg car is moving due west with an initial speed of 38.0 m/s. After 10.0 s the car has slowed down to 18.0 m/s.

Find the magnitude and direction of the force that produces the deceleration.



68,68

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2. A 0.50 kg hockey puck is sliding on ice. The coefficent of kinetic friction is 0.180.

2 = FJ-Mg=0

TW = MS

FI = Mr FN = Mr mg

= 0.18 # 0,5 * 9,8.

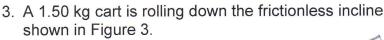
= 0.882 N

F==01882Q

F=ma G= E= -0.882x = -1.76 \(\Sigma \text{m} \) \(\sigma^2 \)

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a. What is its acceleration?





30.0° = 9

Figure 3

$$x = \frac{1}{2}at^{2}$$
 $t = \sqrt{3}x^{2} - \sqrt{2}x^{1/2} - \sqrt{3}x^{2}$
 $t = \sqrt{3}x^{2} - \sqrt{4.9}x^{2} - \sqrt{4.9}x^{2}$