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1. Return -> ICA - C4 and C5 Problems - Formative Assessment
-> Make Corrections
 2. Practice Problems - Page 485, #19-21
Practice Problems - Page 488, #24, 25
 3. Worksheet - Practice Problems (Atwood and Fletcher)
 4. Investigation: Atwood's Machine

Due Date - Thursday, Nov. 7/13

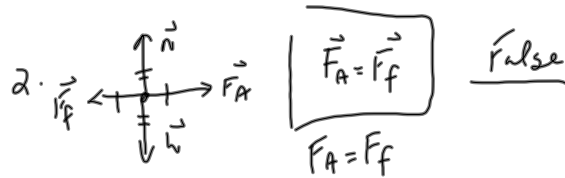
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5. Momentum



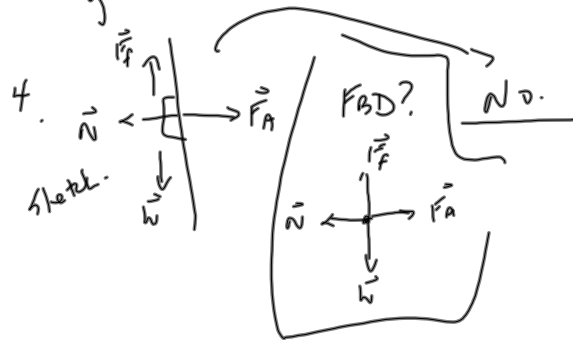
Nv. 4 / 13

True or False?

1. $\boxed{W = 12 \text{ kg}}$ F
 $m = 12 \text{ kg}$
 $w = 12 \text{ N}$



3. $g = -9.80 \text{ m/s}^2$ False
 $g = 9.80 \text{ m/s}^2$
 $\vec{g} = -9.80 \text{ m/s}^2$



5. The acceleration of gravity on Mars is $\boxed{3.72 \text{ m/s}^2, \text{ down}}$ False.

Look "fors": acceleration.

$v_i \rightarrow v_f$

F_{net} , unbalanced force, the sum of forces

$F_A \neq F_F$

\Downarrow CS

$F_{\text{net}} = ma$

$F_A - F_F = ma$

$F_A - mN = ma$

$F_A - mW = ma$

$F_A - mmg = ma$

$\left[\begin{array}{l} F_F = mN \\ W = mg \end{array} \right]$

$F_A \neq F_F$

\rightarrow

$m = ?$

1. $\vec{F}_A = 43 \text{ N, left}$

2. 3.0 m/s, left (Assum object moves right initially.)

3. a) $\vec{g} = -3.72 \text{ m/s}^2$

b) The mass is still 978 kg .

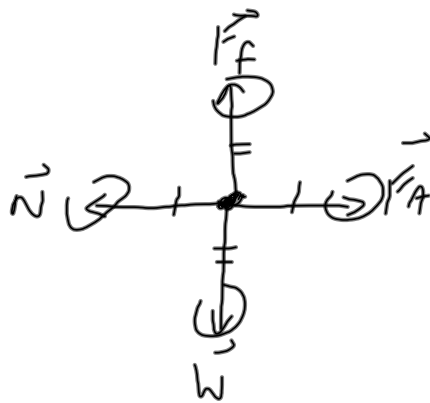
4. $m = 11 \text{ kg}$

5. $\mu = 0.116$

$\rightarrow \mu < 1$

$\rightarrow \mu$ cannot be negative

6. $m = 1.3 \text{ kg}$



Attachments

Student ID re-takes 2013.doc