



Friday, September 7/12  
Physics 122/121

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1. Bell Work
2. Class List/Seating Plan
3. Student Info Forms -> Period 6 will complete Monday
4. Course Outline
5. Website  
6. GradeKeeper - 4 Digit Student ID Code
7. Review - Vectors
8. Negative Vectors
9. Perpendicular Components
10. Handout -> Vectors - Perpendicular Components
11. Reminders: Forces
12. Force Problems: Type I

*Pb*  
*Pl* } *HW #1-3*



**Physics 122/121: Bell Work - Sept. 7/12**

Pair up with a student and check your answers to the questions in the Review Exercise.

$46.7 \text{ mg} \rightarrow \text{g} \rightarrow \text{kg}$

$1 \text{ mg} = 10^{-6} \text{ g}$  ←  
 $1 \text{ kg} = 10^3 \text{ g}$  ←

$$46.7 \text{ mg} \times \frac{10^{-6} \text{ g}}{1 \text{ mg}} \times \frac{1 \text{ kg}}{10^3 \text{ g}}$$

$$46.7 \times \text{EE } 6^- \div \text{EE } 3 =$$

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$\begin{array}{r} 14.99 \text{ g} \\ - 2.1 \text{ g} \\ \hline 12.89 \text{ g} \\ 12.9 \text{ g} \end{array}$	$\begin{array}{r} 14.99 \text{ g} \\ \times 2.1 \text{ g} \\ \hline \boxed{\phantom{0000}} \text{ g}^2 \\ \uparrow 25 \end{array}$
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$$c = \frac{ab}{p^2 b - vx} \quad \Bigg| \quad c = \frac{a}{p^2 - \frac{vx}{b}}$$

$$b \boxed{p^2 c} = ba + \frac{vx c}{b}$$

$$\begin{array}{l} 2x - 4 = 0 \\ 2(x - 2) = 0 \end{array} \left\{ \begin{array}{l} bp^2 c = ba + vx c \\ bp^2(c) - vx(c) = ba \\ c(bp^2 - vx) = ba \\ c = \frac{ba}{bp^2 - vx} \end{array} \right.$$