

Name: _____ Date: _____ Period: _____

Algebra Review Packet (20 pts)
PSYW (Please Show Your Work!)

Instructions: The following problem sets form an important opportunity for you to review some basic algebra skills before we get to work using them in AP Physics 1. Math is the language of Physics. If you don't speak it at least somewhat, Physics will seem very difficult to you. However, if you take the time to make sure you can do the following problems, your experience in Physics will be much more pleasant.

What to do if you are looking at these problems and panicking: DON'T PANIC. I have hand selected some videos on Khan Academy that will assist you in solving these problems. You have done problems of this type before. Maybe you didn't master them the first time around. That's ok. Maybe you thought you mastered them and then you forgot everything. That's ok, too. Watch the videos on Khan Academy at home and at your own pace. Then try to solve these problems. We will review these skills during the first week of school.

Most importantly, you are expected to solve these problems **independently**. Copying someone else's work does you a great disservice and will not help you succeed in this class. Once the school year starts, come see me if you are still having trouble. I'm happy to help.

Khan Academy Lessons:

Algebra:: Solving basic equations & inequalities:: Two-Step Equations Example

<https://www.khanacademy.org/math/algebra-home/alg-basic-eq-ineq/alg-two-steps-equations-intro/v/solving-equations-1>

Algebra:: Solving basic equations & inequalities:: Equations with variables on both sides

<https://www.khanacademy.org/math/algebra-home/alg-basic-eq-ineq/alg-variables-on-both-sides/v/solving-equations-2>

Algebra:: Solving basic equations & inequalities:: Equation with the variable in the denominator

<https://www.khanacademy.org/math/algebra-home/alg-basic-eq-ineq/alg-variables-on-both-sides/v/ex-2-multi-step-equation>

Algebra:: Linear equations, functions, & graphs:: Graph from slope-intercept equation

<https://www.khanacademy.org/math/algebra-home/alg-linear-eq-func/alg-graphing-slope-intercept-equations/v/graphing-a-line-in-slope-intercept-form>