

Date: Monday, May 20, 2013

To: Parents/Guardians of incoming 9<sup>th</sup> grade students going to CVHS

Dear Parent/Guardian,

In an effort to help your student be prepared for and successful in their Secondary Math 1 course next year, we are recommending your student view the following math concept videos over the summer. We do not mean to give your student more work. However, we wish to provide your student with the support he/she may need to review some important math concepts as we transition to the new math common core curriculum. The lists of math concepts to review, websites, and worksheets that go with the concepts are listed on the home page of CVHS and CVMS websites. The list may contain material the student has already seen. It is a list of concepts your student should review and master before beginning their math courses in the 2013-2014 school year. A copy of the worksheets and websites can be asked for at CVHS through Mrs. Green and at CVMS through Mrs. Sanders if your student does not have access to the internet. Our goal with this is to provide students and parents with resources to help students be successful in their math classes next year. Good Luck!

Sincerely,

Math Teachers at CVHS and CVMS

Here is a list of concepts we suggest your student review over the summer.

Fractions

Combine Like Terms

Solving 1-Step and 2-Step Equations

Solve for Slope

Solve Linear Equations which includes

- \*Slope

- \*Point Slope Form

- \*Slope Intercept Form

- \*Standard Form

- **Fractions**
- [https://www.khanacademy.org/math/arithmetic/fractions/Equivalent\\_fractions/v/fractions-in-lowest-terms](https://www.khanacademy.org/math/arithmetic/fractions/Equivalent_fractions/v/fractions-in-lowest-terms)
- [https://www.khanacademy.org/math/arithmetic/fractions/Adding\\_and\\_subtracting\\_fractions/v/adding-fractions-with-unlike-denominators](https://www.khanacademy.org/math/arithmetic/fractions/Adding_and_subtracting_fractions/v/adding-fractions-with-unlike-denominators)
- [https://www.khanacademy.org/math/arithmetic/fractions/multiplying\\_and\\_dividing\\_fractions/v/dividing-fractions-word-problem](https://www.khanacademy.org/math/arithmetic/fractions/multiplying_and_dividing_fractions/v/dividing-fractions-word-problem)
  
- **Combining Like Terms**
- <https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/manipulating-expressions/v/combining-like-terms-3>
  
- **Solving 2-Step Equations**
- [https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/equations\\_beginner/v/equations-2](https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/equations_beginner/v/equations-2)
  
- **Slope**
- <https://www.khanacademy.org/math/algebra/linear-equations-and-inequalities/slope-and-intercepts/v/slope-of-a-line>
- [https://www.khanacademy.org/math/trigonometry/graphs/slope\\_of\\_line/v/slope-of-a-line-2](https://www.khanacademy.org/math/trigonometry/graphs/slope_of_line/v/slope-of-a-line-2)
  
- **Slope-Intercept Form**
- <https://www.khanacademy.org/math/algebra/linear-equations-and-inequalities/equation-of-a-line/v/graphing-a-line-in-slope-intercept-form>
- <https://www.khanacademy.org/math/algebra/linear-equations-and-inequalities/equation-of-a-line/v/converting-to-slope-intercept-form>
  
- **Point-Slope Form**
- <https://www.khanacademy.org/math/algebra/linear-equations-and-inequalities/equation-of-a-line/v/linear-equations-in-point-slope-form>

In an effort to help your student succeed in their Secondary Math 2 course next year we have recommended they view the following lectures over the summer. We do not mean to give your student more work, but we wish to provide them the support they need to help fill in some of the gaps as we transition to the new core. The list below may contain material the student has already seen. It is a list of concepts they need to master before beginning their math courses in the 2013-2014 school year. A copy of the links can also be found on the Canyon View Math web site. Have your student complete the checklist and return it to their math teacher in the fall. Good Luck!

- Simplifying Radicals
- <https://www.khanacademy.org/math/arithmetric/exponents-radicals/radical-radicals/v/simplifying-radicals>
  
- Pythagorean Theorem
- <https://www.khanacademy.org/math/geometry/triangles/v/the-pythagorean-theorem>
  
- Functions
- <https://www.khanacademy.org/math/algebra/algebra-functions/intro-functions/v/introduction-to-functions>
  
- Systems of Equations
- [https://www.khanacademy.org/math/trigonometry/systems\\_eq\\_ineq/systems\\_tutorial\\_precalc/v/simple-elimination-practice](https://www.khanacademy.org/math/trigonometry/systems_eq_ineq/systems_tutorial_precalc/v/simple-elimination-practice)
- <https://www.khanacademy.org/math/algebra/systems-of-eq-and-ineq/systems-with-substitution/v/solving-systems-by-substitution-2>

In an effort to help your student succeed in their Secondary Math 3 course next year we have recommended they view the following lectures over the summer. We do not mean to give your student more work, but we wish to provide them the support they need to help fill in some of the gaps as we transition to the new core. The list below may contain material the student has already seen. It is a list of concepts they need to master before beginning their math courses in the 2013-2014 school year. A copy of the links can also be found on the Canyon View Math web site. Have your student complete the checklist and return it to their math teacher in the fall. Good Luck!

- Factoring Trinomials
- <https://www.khanacademy.org/math/algebra/quadratics/factoring-quadratics/v/factoring-trinomials-with-a-leading-1-coefficient>
- <https://www.khanacademy.org/math/algebra/quadratics/quadratic-formula/v/quadratic-formula-1>
- <https://www.khanacademy.org/math/algebra/quadratics/factoring-quadratics/v/factoring-trinomials-by-grouping-1>
  
- Simplifying Rational expressions
- <https://www.khanacademy.org/math/algebra/rational-expressions/simplifying-rational-alg/v/simplifying-rational-expressions-introduction>
  
- Basic Trig Ratios
- <https://www.khanacademy.org/math/trigonometry/basic-trigonometry/basic-trig-ratios/v/basic-trigonometry>
- <https://www.khanacademy.org/math/trigonometry/basic-trigonometry/basic-trig-ratios/v/example--using-soh-cah-toa>