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| **Vocabulary Word** | **Definition** | **Picture** | **Learn more…** |
| combining like terms | combining terms (by adding or subtracting) that are similar to each other  | http://mjnwsu132.files.wordpress.com/2013/07/combining-like-terms.gif  http://mjnwsu132.wordpress.com/ | <http://www.mathsisfun.com/algebra/like-terms.html>  |
| continuous graph | a graph that has points that are connected | http://www.emathematics.net/imagenes/proportional1.gif http://www.emathematics.net/ | Video on discrete vs. continuous graphs<https://learnzillion.com/lessons/2489-distinguish-between-discrete-and-continuous-graphs> |
| dependent variable | this variable depends on the value of another variablehttp://arose.iweb.bsu.edu/BSUCourses/ITEDU_699/LP/Variable.jpg http://arose.iweb.bsu.edu/It is usually shown as the output value in a table. | http://www.astro.virginia.edu/class/majewski/astr313/lablinks/ex22_1.gif  [astro.virginia.edu](http://www.astro.virginia.edu/class/majewski/astr313/lablinks/GuidePlots.html) |  |
| discrete graph | a graph with points that are not connected | http://resource.rockyview.ab.ca/t4t/math8/images/u6/m08_u6_010_l.jpg http://moodle2.rockyview.ab.ca/ | Video on discrete vs. continuous graphs<https://learnzillion.com/lessons/2489-distinguish-between-discrete-and-continuous-graphs>  |
| Distributive Property | Multiply the number outside of the parenthesis with everything inside the parenthesis. http://www.coolmath.com/prealgebra/06-properties/images/05-properties-distributive-02.gif  [www.coolmath.com](http://www.coolmath.com)  | http://passyworldofmathematics.com/Images/pwmImagesTwo/DistLawFive540x390JPG.jpg  <http://passyworldofmathematics.com/>  |  |
| evaluate | to put in numbers for the variables (letters) in an algebraic expression | **Evaluating an algebraic expression:** 6b + 5 where b = 2  (6 \* 2) + 5 12 + 5  17 | Watch a video:<http://www.mathplanet.com/education/pre-algebra/introducing-algebra/evaluate-expressions>  |
| independent variable | this variable will change the value of another variablehttp://arose.iweb.bsu.edu/BSUCourses/ITEDU_699/LP/Variable.jpg  http://arose.iweb.bsu.edu/It is usually shown as the input value in a table. | http://www.astro.virginia.edu/class/majewski/astr313/lablinks/ex22_1.gif  [astro.virginia.edu](http://www.astro.virginia.edu/class/majewski/astr313/lablinks/GuidePlots.html) |  |
| Order of Operations | the order to evaluate or simplify an expression1. Parentheses ( )
2. Exponents 52
3. Multiplication (\*) and Division (÷) *(left to right )*
4. Addition (+) and Subtraction (-) *(left to right )*
 | http://www.kidzucation.com/wp-content/uploads/2013/11/Order-of-Operations-Slides-FINAL-JPEG.015.jpg[**http://www.kidzucation.com/**](http://www.kidzucation.com/) |  |
| parabola | U-shaped curve on a graphy = ax2 + bx +cwhere a does not equal 0(can open up or down) |  http://dj1hlxw0wr920.cloudfront.net/userfiles/wyzfiles/e181a8ce-1673-40f0-858f-b24fded17986.gif  http://www.wyzant.com/ |  |
| solution | the answer(s) to an equation or inequality ≤   |   10 = x + 3 -3 = - 3 7 = x**7 is the solution for this equation** |  |
| term | a number, a variable, or a number multiplied by variable/variables | **Number** = **23****Variable** = **b****Number and Variable(s)** = **12y or 5ab** |  |
| variable  | a letter that represents an unknown value | 2x + 8 – 9y **Variables** |  |
| vertex  | the point where two lines or rays meetvertices = more than one vertexcan also be a corner of a shape | http://www.resourcechannel.org/wp-content/uploads/2012/09/vertex.gif  <http://www.resourcechannel.org/>http://www.mathguide.com/lessons/tb2.gif [www.mathguide.com](http://www.mathguide.com) |  |
| Vertex (parabola) | the highest or lowest point of the parabola | **Vertex on a Parabola** http://www.mathsite.org/articles_imgs/255/algebr63.gif http://www.mathsite.org/ |  |
| x-intercept | the point where a line meets the x-axis | http://www.chilimath.com/algebra/intermediate/int/image/exint1.png http://www.chilimath.com/ |  |
| y-intercept | the point where a line meets the y-axishttp://images.tutorvista.com/cms/images/67/slope-intercept-equation.png http://math.tutorvista.com/ | http://www.mathsisfun.com/images/intercept.gif http://www.mathsisfun.com/ |  |