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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 variable  http://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 variable  http://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 expression   1. 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 graph  y = ax2 + bx +c  where 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 meet  vertices = more than one vertex  can 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-axis  http://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/ |  |