October 14, 2014

Introduction to Functions

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| 1. coordinate plane 2. axes        1. origin 2. *x*-axis 3. *y-*axis | [http://domathtogether.com/wp-content/uploads/2012/10/coordinate-plane1.png](http://www.google.com/url?sa=i&source=images&cd=&cad=rja&docid=Hwrce0OsLvCvLM&tbnid=gph7zqqt5vW0DM:&ved=0CAgQjRwwAA&url=http://domathtogether.com/prob/random-walk-in-the-plane/coordinate-plane-2/&ei=X9pJUvqUC6K6yQHM84GQAg&psig=AFQjCNGyrx0dLHGIwWZQXkt4j0EOHcm_5g&ust=1380658143221800) |

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| 1. ordered pair 2. *x*-coordinate 3. *y*-coordinate 4. graphing ordered pairs 5. quadrant | [http://domathtogether.com/wp-content/uploads/2012/10/coordinate-plane1.png](http://www.google.com/url?sa=i&source=images&cd=&cad=rja&docid=Hwrce0OsLvCvLM&tbnid=gph7zqqt5vW0DM:&ved=0CAgQjRwwAA&url=http://domathtogether.com/prob/random-walk-in-the-plane/coordinate-plane-2/&ei=X9pJUvqUC6K6yQHM84GQAg&psig=AFQjCNGyrx0dLHGIwWZQXkt4j0EOHcm_5g&ust=1380658143221800) |

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| 1. input 2. output | Input (x)  rule    Output (y) |
| input (x)  y = 3x  Output (y)  ( 0, ) ( 2, )  ( 1, ) ( 3, ) | Input (x)  y = 2x + 3    Output (y)  ( 0, ) ( 2, )  ( 1, ) ( 3, ) |
| y = x - 1 | y = - 1     |  |  | | --- | --- | | x | y | |  |  | |  |  | |  |  | |  |  | |  |  | |