**Domain and Range Practice – Alg 2 Tutorials Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| |  |  |  | | --- | --- | --- | | **1.** | Find the domain of the function                            http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain12.gif | http://www.regentsprep.org/Regents/math/algtrig/ATP5/domainpic1.jpg | | **Choose:**  Top of Form  All Reals http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain28.gif http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain29.gif  Bottom of Form | |

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| |  |  |  | | --- | --- | --- | | **2.** | Find the domain of the function                               http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain15.gif | http://www.regentsprep.org/Regents/math/algtrig/ATP5/2217486.jpg | | **Choose:**  Top of Form  All Reals http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain30.gif http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain31.gif  Bottom of Form | |

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| |  |  |  | | --- | --- | --- | | **3.** | Find the range of the function                                    http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain16.gif | http://www.regentsprep.org/Regents/math/algtrig/ATP5/2216833.jpg | | **Choose:**  Top of Form  All Reals http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain32.gif http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain33.gif  Bottom of Form | |

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| |  |  |  | | --- | --- | --- | | **5.** | Find the range of the function                              http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain12.gif | http://www.regentsprep.org/Regents/math/algtrig/ATP5/domainpic2.jpg | | **Choose:**  Top of Form  All Reals http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain33.gif http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain34.gif  Bottom of Form | |

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| |  |  |  |  | | --- | --- | --- | --- | | **6.** | Which diagram below shows a function that is  one-to-one, but NOT onto? | | http://www.regentsprep.org/Regents/math/algtrig/ATP5/2217402.jpg | | **Choose:**  Top of Form  **1** **2** **3**  Bottom of Form | | | **1.** http://www.regentsprep.org/Regents/math/algtrig/ATP5/Pic1.jpg | **2. http://www.regentsprep.org/Regents/math/algtrig/ATP5/Pic2.jpg** | **3. http://www.regentsprep.org/Regents/math/algtrig/ATP5/Pic3.jpg** | |

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| |  |  |  | | --- | --- | --- | | **7.** | Determine which description pertains to this function as graphed in the coordinate plane, http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain40.gif                http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain35.gif | http://www.regentsprep.org/Regents/math/algtrig/ATP5/domainpic3.jpg | | **Choose:**  Top of Form  One-to-one, but not onto  Onto, but not one-to-one  Neither one-to-one, nor onto  Bottom of Form | |

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| |  |  |  | | --- | --- | --- | | **8.** | Determine which description pertains to this function as graphed in the coordinate plane, http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain41.gif                http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain36.gif | http://www.regentsprep.org/Regents/math/algtrig/ATP5/2216710.jpg | | **Choose:**  Top of Form  One-to-one, but not onto Onto, but not one-to-one  Both one-to-one and onto  Bottom of Form | |

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| |  |  |  |  | | --- | --- | --- | --- | | **9.** | Find the range of the function *http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain37.gif* |  | http://www.regentsprep.org/Regents/math/algtrig/ATP5/domainpic4.jpg | | **Choose:**  Top of Form  All Reals http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain38.gif http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain34.gif  Bottom of Form | |

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| |  |  |  | | --- | --- | --- | | **10.** | Determine which description pertains to this function as graphed in the coordinate plane, http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain42.gif                              http://www.regentsprep.org/Regents/math/algtrig/ATP5/Domain39.gif | http://www.regentsprep.org/Regents/math/algtrig/ATP5/2217453.jpg | | **Choose:**  Top of Form  One-to-one, but not onto  Onto, but not one-to-one   Neither one-to-one, nor onto  Bottom of Form | |

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| |  |  |  | | --- | --- | --- | | **11.** | This diagram illustrates ...                      http://www.regentsprep.org/Regents/math/algtrig/ATP5/onetoone7.jpg | http://www.regentsprep.org/Regents/math/algtrig/ATP5/2217492.jpg | | **Choose:**  Top of Form  one-to-one  onto both one-to-one and onto  Bottom of Form | |

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| |  |  |  | | --- | --- | --- | | **14.** | What is the domain of the function shown in the graph at the right?  (Each grid line represents one unit.) | Rgraph | | **Choose:**  Top of Form  m14a m14b m14c m14d  Bottom of Form | |