

Continue



1.1 Functions and Function Notation 1. yes yes. (Note: If two players had been tied for, say, 4th place, then the name would not have been a function of rank.) 6. $y=f(x)=x^3$ 2 $y=f(x)=x^3$ 2 9. yes, because each bank account has a single balance at any given time no, because several bank account numbers may have the same balance no, because the same output may correspond to more than one input. 10. Yes, letter grade is a function of percent grade; No, it is not one-to-one. There are 100 different percent numbers we could get but only about five possible letter grades, so there cannot be only one percent number that corresponds to each letter grade. 12. No, because it does not pass the horizontal line test. 1.2 Domain and Range 1. $\{-5,0,5,10,15\}$ $\{-5,0,5,10,15\}$ 3. $(-\infty, 12) \cup (12, \infty)$ $(-\infty, 12) \cup (12, \infty)$ 4. $[-5, 2, \infty)$ $[-5, 2, \infty)$ 5. values that are less than or equal to -2, or values that are greater than or equal to -1 and less than 3; $\{x|x \leq -2 \text{ or } -1 \leq x < 3\}$ 5. $f^{-1}(x) = -x - 11$ 2 $f^{-1}(x) = -x - 11$ 2 (Preview of Worked-Out Solution) View tutorial solutions for the Checkpoint Exercises that appear after every example in the textbook. All tutorial solutions are available in English and Spanish audio. Closed captioning is available in English. Select a chapter, section, and video in the navigation above. Share — copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt — remix, transform, and build upon the material for any purpose, even commercially. The licensor cannot revoke these freedoms as long as you follow the license terms. Attribution — You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike — If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. No additional restrictions — You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits. You do not have to comply with the license for elements of the material in the public domain or where your use is permitted by an applicable exception or limitation. No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. 25992 Students Helped in Math “Numerade has a great goal - to increase people's educational levels all around the world. Educators do not complete student's personal homework tasks. We create video tutorials that may be used for many years in the future.” Dr. Mei Lin Chen PhD in Math Note Taking Guide for Stewart/Redlin/Watson's Precalculus: Mathematics for Calculus, 7th Edition ISBN: 9781305253834 PRECALCULUS 7th Edition ISBN: 9781337884440 PRECALC ENHANCED 7th Edition ISBN: 9780357096024 Precalculus: Mathematics For Calculus, 7th Edition 7th Edition ISBN: 9781337381437 Precalculus: Mathematics for Calculus (Standalone Book) 7th Edition ISBN: 9781305071759 Precalculus: Mathematics for Calculus 7th Edition ISBN: 9781305115309 WebAssign Printed Access Card for Stewart/Redlin/Watson's Precalculus, Enhanced Edition, 7th Edition, Single-Term 7th Edition ISBN: 9781337652360 Study Guide for Stewart/Redlin/Watson's Precalculus: Mathematics for Calculus, 7th Edition ISBN: 9781305253636 PRECALCULUS FOR MATH CALCULUS 15th Edition ISBN: 9781305748187 PRECALCULUS MATH.F/CALCULUS-TEXT (LLJ) 7th Edition ISBN: 9781305586024 Rutgers University Precalculus Mathematics for Calculus 640: 111/112/115 + Enhanced Web Assign Printed Access Card BNDL 7th Edition ISBN: 9781305743847 Precalculus, Enhanced Edition 7th Edition ISBN: 9781305884403 Precalculus: Mathematics for Calculus (Custom) 7th Edition ISBN: 9781337041232 Trigonometry Math 112 (Custom) 7th Edition ISBN: 9781305748491 MATH 162 (Custom) 7th Edition ISBN: 9781337044578 Precalculus: Mathematics For Calculus Instructor's Edition W/answers & Annotations 7th Edition 7th Edition ISBN: 9781305115279 Student Solutions Manual for Stewart/Redlin/Watson's Precalculus: Mathematics for Calculus, 7th Edition ISBN: 9781305253612 PRECALCULUS: MATHEMATICS FOR CALCULUS 7th Edition ISBN: 9781305718906 CCP MATH 162 WITH CODE >CICUSTOMCUSTOM