

Algebra II
Chapter 2 Functions Test Review

Key

1. Draw a graph and a table that do not represent a function. How would you explain this?

2. Find the domain of $f(x) = \frac{x-3}{x^2-9}$.
 $\frac{x-3}{(x-3)(x+3)} \rightarrow \frac{1}{x+3}$
 $x \neq -3$

3. Find the domain of the function $f(x) = 3x^2 - 4x + 8$.
 $(-\infty, \infty)$

4. Given a graph $f(x) = |x|$, what would be the equation of another graph with a vertical shift of 3 up, a horizontal shift of 5 left, and a vertical stretch of 10?

$$f(x) = |x| + 3$$

5. If $f(x) = 4x + 6$ and $g(x) = x^2 - 5$, find $(f \circ g)(x)$.

$$f(g(x)) =$$

$$4(x^2 - 5) + 6$$

$$4x^2 - 20 + 6$$

$$4x^2 - 14$$

6. Find $f \circ g$ for the given functions.
 $f(x) = \begin{cases} 3x, & x \leq 4 \\ 2x + 4, & x > 4 \end{cases}$
 $g(x) = \begin{cases} x + 5, & x \leq 4 \\ x + 6, & x > 4 \end{cases}$

$$f(g(x)) =$$

$$3(x+5)$$

$$2(x+6) + 4$$

check both functions

$$3x + 15$$

7. Find $(f \circ g)(x)$ if $f(x) = 4x + 2$ and $g(x) = 3x^2 + 1$.

$$f(g(x)) =$$

$$4(3x^2 + 1) + 2$$

$$12x^2 + 4 + 2$$

$$12x^2 + 6$$

8. Find $(f \circ g)(x)$ if $f(x) = x^2 + 4$ and $g(x) = 4x + 3$.

$$f(g(x)) =$$

$$(4x+3)^2 + 4$$

$$16x^2 + 24x + 9 + 4$$

$$16x^2 + 24x + 13$$

or $f(4x+3) = 13$

9. Given the function $f(x) = 3(x + 4)^2 + 7$, explain how this function was transformed from the function $f(x) = x^2$.

$$\begin{aligned} & \text{Left 4} \\ & \text{Up 7} \end{aligned}$$

10. If you were given a function $g(x)$, explain how this function would be transformed if a new function was $p(x) = \frac{1}{2}g(x - 3) + 8$.

$$\text{width } \frac{1}{2} \text{ left 3 up 8}$$

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. 1. Wile?
. 2. What does the /etc/resolv.conf file do? What do the nameserver lines in
. 1 Answers to Chapter 3, Odd-numbered Exercises 1 Answers to Chapter 3, Odd-numbered

Exercises. 1) $r(n) = 25r(n-1) + 3r(n-2) + 10n-1$. There are $25r(n-1)$ identifiers satisfying the first condition, $3r \dots$ Vim

Question - Single command to swap words Jan 5, 2012 — Hi, I'm working through Sobell's book Linux Commands, Editors and Shell ... odd-numbered exercises (for which he does not publish the answers). Why do textbooks often include the solutions to odd or ... Jun 18, 2019 — My question is, why do textbooks often include the solutions to odd or even numbered problems but not both? In my case, I don't think space is ... BATTERY REPLACEMENT IN A FERRARI 458 - YouTube Tips for replacing 458 battery? Dec 19, 2022 — Disconnect the ground quick connect from the battery neg terminal. Lift up. Then loosen all battery clamps at the base & remove battery clamps. Changing FERRARI 458 Battery: step-by-step manuals How often to change the Battery on your FERRARI 458 . Recommended service and replacement schedules. every 70000 km / every 36 months. Replacing Battery 550 and 575 I can't find a thread about replacing the battery in a 550 or 575. It looks like the antifreeze container must come out. Do all the hoses need to be removed ... Antigravity Lithium Ion Battery - FERRARI 458 ... Dec 7, 2019 — You really need to be careful when jump starting a Ferrari as you can accidentally fry an ECU and then you're looking at massive repair bills! Mobile Car Battery Replacement, 24/7 Auto Battery Change ... Mobile Car Battery Replacement: Emergency Car and Motorbike Battery Delivery and Replacement Service Sydney. Cheap prices for automotive vehicle batteries ... How many Ferrari 458 Italia were made? Oct 17, 2015 — There isn't any official release from Ferrari, but here's my guess. There was a recall for a trunk latch problem that affected 3082 cars in ... Ferrari 458 Italia - Battery Buy BATTERY parts for the Ferrari 458 Italia. Order any in-stock part online and get it delivered in 2 days. 458 starting issue & electrical warning fault - Ferrari V8 Mar 31, 2017 — I would replace the battery if it's still on the original regardless - at the very least it will eliminate that as the problem, but six ... New Holland 1720, 20, 2320 Operator's Manual New Holland 1720, 20, 2320 Operator's Manual ; Brand: New Holland ; Model: 1720, 20, 2320 Flexi coil 20 Series (1720,2320) Air Cart Operator's Manual ; Format: PDF Flexicoil Manuals May 18, 2010 — Can you source the flexicoil owners manuals online as like a pdf? ... Hi - is there a CIH model that is identical or close to the FC 2320? I ... CASE IH FLEXI COIL 20 SERIES 1720 2320 AIR ... - eBay Model: Flexi coil 20 Series (1720,2320) Air Car Course & Fine. Type: Operator's Manual. Format: Paperback Manual. Flexi - Coil 20 Series Seed Carts Operator's Manual Flexi - Coil 20 Series Seed Carts Operator's Manual Original Factory To Dealer Manual Dated - 1992 200 + Pages Manual No. GH-001.3 Printed In Canada Covers ... Planting/Seeding Flexi Coil Operator's Manual.. \$6.00 \$8.00. Add to Cart. Flexicoil 1740 2340 2850 3350 3850 4350 Air Cart Flexicoil 1740 2340 2850 3350 3850 4350 Air Cart Service Workshop Manual 84329222. ... PAPER VERSION SERVICE MANUAL + OPERATOR'S MANUAL (1740 and 2340). Service ... Viewing a thread - wiring diagram for 2320 flexicoil cart Apr 11, 2008 — Looking at the owners manual for a JD 787 (Flexicoil 2320). It has basic wiring diagrams. What do you need. I could scan and email you something ... Aftersales Only genuine Flexi-Coil parts are made for your machine and designed for peak performance. We engineer, manufacture and choose parts based on the strictest ... John Deere 787 & Flexi-Coil

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