TROUBLESHOOTING & SERVICING HEAT PUMP SYSTEMS

RICHARD JAZWIN





Troubleshooting Servicing Heat Pump Systems

Charles Nehme

Troubleshooting Servicing Heat Pump Systems:

Troubleshooting and Servicing Heat Pumps Richard Jazwin, 2002 This unique field guide discusses in detail the various aspects of heat pump selection installation and service This book covers basic heat pump operation including a review of the refrigeration cycle heat pump configurations four way valves electrical schematics defrost systems controls and accessories the scroll compressor and service and troubleshooting Heat Pump Technology Billy C. Langley, 2002 Designed as a text or a reference this book covers the practical fundamentals recommended service and startup procedures for heat pump systems The straightforward presentation and thorough coverage regarding heat pump systems provides users with the knowledge and confidence necessary to properly install and service heat pump systems. The reference explains all information needed to design install service and maintain heat pump systems including water source heat pump systems troubleshooting startup and standard service procedures and representative wiring diagrams For Service and Installation Technicians Service Managers Instructors and Designers Heat Pump Operation, Installation, Service Randy F. Petit, Sr., Turner L. Collins, Esco Institute, 2011-05-01 This program is designed to provide students and technicians with a comprehensive overview of the heat pump system its operation and principles Heat Pumps Operation Installation and Service is designed to provide the reader with a comprehensive overview of heat pump systems. The manual covers basic principles of operation system components air flow defrost methods balance point auxiliary electric heat electrical control wiring refrigerant piping installation refrigerant charging troubleshooting dual fuel systems and an introduction to geothermal systems The intent of the book is to offer students and technicians information to build upon in order to enhance their knowledge of the air conditioning and heating field and more specifically heat pumps Before installing or servicing a heat pump system the technician must have proper training and knowledge of air conditioning refrigeration theory principles and operation With today s energy demands and costs soaring there is a tremendous need for highly efficient equipment These systems pose new demands for installers and service technicians New heat pump systems with single dual and variable capacity are being sold which requires trained technicians with the ability to install service and maintain this equipment Troubleshooting and Servicing Air Conditioning Equipment S. Don Swenson, 1985 Audel HVAC Fundamentals, Volume 3 James E. Brumbaugh, 2011-01-31 Keep it cool or heat things up This third volume of Audel s HVAC Library gives you a comprehensive hands on guide to installing servicing and repairing all basic air conditioning systems in both new and older construction You ll also find complete coverage of specialized heating units radiators radiant heating systems stoves fireplaces heat pumps and indoor outdoor pool heaters plus fans exhaust systems air filters and more It s what you need to complete your HVAC reference library Make accurate calculations for AC system output Tailor AC systems for older construction Learn to install and service today s popular electronic air cleaners and filters Service less common heating systems such as coal fired furnaces Install maintain and repair humidifiers and dehumidifers Handle radiators convectors and baseboard heating units

Heat Pump Technology Billy C. Langley, 1989 Designed as a text or a reference this book covers the practical fundamentals recommended service and startup procedures for heat pump systems Heating Systems Troubleshooting **Handbook** Billy C. Langley,1988 Very Good No Highlights or Markup all pages are intact How to Fix Heating and Cooling Systems - Furnaces, Heat Pumps, and Ductwork The Fix-It Guy, 2024-05-25 Dreading the discomfort of a malfunctioning heating or cooling system How to Fix Heating and Cooling Systems Furnaces Heat Pumps and Ductwork empowers you to take control of your home s climate This comprehensive handbook equips you regardless of experience level to become a DIY HVAC hero Learn essential troubleshooting techniques repair skills and optimization strategies to keep your furnace heat pump and ductwork functioning flawlessly ensuring year round comfort and energy efficiency Ditch the dependence on expensive repair technicians and breathe easy This book equips you with the knowledge and skills to Diagnose common heating and cooling system problems Identify signs of malfunction and pinpoint the culprit from furnace malfunctions to clogged ducts Tackle essential repairs with confidence Learn step by step procedures for fixing common issues with furnaces heat pumps and ductwork saving you money on service calls Optimize your HVAC system for peak performance Discover strategies to improve efficiency reduce energy consumption and lower your utility bills Maintain your system for long lasting comfort Implement preventative maintenance practices to ensure your HVAC system operates smoothly for years to come How to Fix Heating and Cooling Systems Furnaces Heat Pumps and Ductwork goes beyond basic fixes You ll learn Essential safety precautions to protect yourself while working with HVAC systems Clear explanations of how HVAC systems work for a deeper understanding of their components and operation Expert tips and tricks from experienced professionals to streamline troubleshooting and repairs Cost saving DIY solutions to keep your HVAC system functioning optimally without breaking the bank When to call a professional for complex repairs that require specialized expertise Packed with detailed illustrations clear instructions and troubleshooting charts this book is your one stop shop for achieving year round comfort and energy savings Embrace the power of DIY climate control How to Fix Heating and Cooling Systems Furnaces Heat Pumps and Ductwork empowers you to Save money on expensive repair calls by tackling many issues yourself Gain valuable DIY skills applicable to maintaining your HVAC system for years to come Enjoy year round comfort with a well maintained and efficient heating and cooling system Reduce your energy consumption and contribute to a greener environment Order your copy today and unlock the secrets to conquering your home s climate Heat Pumps S. E. Sutphin, 1994 This fully illustrated handbook takes an in depth look at recent innovations in heat pump technology and applications providing the reader with the information needed to understand the principles used in all types of air source and water source heat pumps including multi unit systems Readily understandable guidelines will assist the engineer specifier or technician in determining the appropriate system for a specific application as well as in installing the system properly System maintenance troubleshooting and repairing are thoroughly covered Other topics include fundamentals of refrigeration

applicable to heat pumps and heat pump components and circuitry Air Conditioning Maintenance and Troubleshooting: A Comprehensive Guide to Efficient and Safe HVAC Care Charles Nehme, The importance of air conditioning in our daily lives cannot be overstated From the comfort of our homes to the productivity of our workplaces air conditioning systems play a critical role in maintaining an optimal environment However like all mechanical systems air conditioners require regular maintenance and occasional troubleshooting to function efficiently and prolong their lifespan This book Air Conditioning Maintenance and Troubleshooting Guide aims to serve as a comprehensive resource for homeowners technicians and HVAC professionals alike Whether you are a novice looking to understand the basics of your home air conditioning system or a seasoned technician seeking advanced troubleshooting tips this guide is designed to meet your needs Why This Guide Air conditioning systems are complex and involve various components including compressors evaporators condensers and various electrical parts Proper maintenance can prevent many common issues and save on costly repairs This guide covers the essential aspects of air conditioning maintenance providing step by step instructions and detailed explanations to ensure your system runs smoothly Key Features Comprehensive Maintenance Tips Learn about the routine tasks necessary to keep your air conditioning system in top condition from cleaning filters to checking refrigerant levels Troubleshooting Techniques Diagnose and resolve common problems with clear practical solutions This section includes troubleshooting flowcharts and checklists to simplify the process Safety Precautions Understand the safety measures you need to take while working with air conditioning systems to prevent accidents and injuries Technical Insights Gain deeper knowledge of the components and workings of different types of air conditioning systems including central air conditioners split systems and window units Environmental Considerations Learn about the environmental impact of air conditioning systems and how to adopt practices that are both efficient and eco friendly Who Should Read This Book Homeowners Equip yourself with the knowledge to maintain your home air conditioning system identify problems early and possibly avoid expensive service calls HVAC Students Use this guide as a supplementary resource to enhance your understanding of air conditioning systems and prepare for a career in HVAC maintenance and repair Professional Technicians Update your skills with the latest maintenance and troubleshooting techniques and use this book as a quick reference on the job Acknowledgments This book would not have been possible without the valuable input and feedback from HVAC professionals and industry experts who have generously shared their knowledge and experience I am also grateful to the publishers and technical reviewers whose efforts have ensured the accuracy and clarity of this guide Conclusion Maintaining and troubleshooting air conditioning systems can seem daunting but with the right knowledge and tools it becomes manageable and rewarding This guide is intended to empower you with the confidence and skills necessary to keep your air conditioning system running efficiently and reliably Thank you for choosing this guide I hope it serves as a valuable resource and enhances your understanding and enjoyment of air conditioning maintenance and troubleshooting Catalog

of Copyright Entries. Third Series Library of Congress. Copyright Office, 1978 Commissioning, Preventive Maintenance, and Troubleshooting Guide for Commercial Ground-source Heat Pump Systems ,2002 This book covers the project implementation stage and reviews the necessary technical information for geothermal or geoexchange heat pump systems Commissioning maintenance requirements and troubleshooting for these energy efficient systems are covered in detail This guide is a valuable reference for those involved in the design installation and operation and maintenance of commercial building ground source heat pump systems ASHRAE Research Project 94 SP 94 I P units Repair and Maintenance of Large Appliances John E. Traister, 1986 Federal Register ,2002-05-23 **Popular** Mechanics, 1978-02 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it's practical DIY home improvement tips gadgets and digital technology information on the newest cars or the

American Motorist .1917

latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle Motor Age ,1916

Automobile Topics .1911

Ward's Automobile Topics ,1916 Panama Canal Record, 1921

Right here, we have countless book **Troubleshooting Servicing Heat Pump Systems** and collections to check out. We additionally present variant types and after that type of the books to browse. The usual book, fiction, history, novel, scientific research, as without difficulty as various other sorts of books are readily easily reached here.

As this Troubleshooting Servicing Heat Pump Systems, it ends stirring subconscious one of the favored books
Troubleshooting Servicing Heat Pump Systems collections that we have. This is why you remain in the best website to see the incredible book to have.

 $\frac{https://ftp.barnabastoday.com/data/Resources/Documents/Whos\%20Holding\%20Your\%20Ladder\%20Selecting\%20Your\%20Leaders\%20Leaderships\%20Most\%20Critical\%20Decision.pdf}$

Table of Contents Troubleshooting Servicing Heat Pump Systems

- 1. Understanding the eBook Troubleshooting Servicing Heat Pump Systems
 - The Rise of Digital Reading Troubleshooting Servicing Heat Pump Systems
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Troubleshooting Servicing Heat Pump Systems
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Troubleshooting Servicing Heat Pump Systems
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Troubleshooting Servicing Heat Pump Systems
 - Personalized Recommendations
 - Troubleshooting Servicing Heat Pump Systems User Reviews and Ratings
 - Troubleshooting Servicing Heat Pump Systems and Bestseller Lists

- 5. Accessing Troubleshooting Servicing Heat Pump Systems Free and Paid eBooks
 - Troubleshooting Servicing Heat Pump Systems Public Domain eBooks
 - Troubleshooting Servicing Heat Pump Systems eBook Subscription Services
 - Troubleshooting Servicing Heat Pump Systems Budget-Friendly Options
- 6. Navigating Troubleshooting Servicing Heat Pump Systems eBook Formats
 - ∘ ePub, PDF, MOBI, and More
 - Troubleshooting Servicing Heat Pump Systems Compatibility with Devices
 - Troubleshooting Servicing Heat Pump Systems Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Troubleshooting Servicing Heat Pump Systems
 - Highlighting and Note-Taking Troubleshooting Servicing Heat Pump Systems
 - Interactive Elements Troubleshooting Servicing Heat Pump Systems
- 8. Staying Engaged with Troubleshooting Servicing Heat Pump Systems
 - o Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Troubleshooting Servicing Heat Pump Systems
- 9. Balancing eBooks and Physical Books Troubleshooting Servicing Heat Pump Systems
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Troubleshooting Servicing Heat Pump Systems
- 10. Overcoming Reading Challenges
 - o Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Troubleshooting Servicing Heat Pump Systems
 - Setting Reading Goals Troubleshooting Servicing Heat Pump Systems
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Troubleshooting Servicing Heat Pump Systems
 - Fact-Checking eBook Content of Troubleshooting Servicing Heat Pump Systems
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Troubleshooting Servicing Heat Pump Systems Introduction

Troubleshooting Servicing Heat Pump Systems Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Troubleshooting Servicing Heat Pump Systems Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Troubleshooting Servicing Heat Pump Systems: This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Troubleshooting Servicing Heat Pump Systems: Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Troubleshooting Servicing Heat Pump Systems Offers a diverse range of free eBooks across various genres. Troubleshooting Servicing Heat Pump Systems Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Troubleshooting Servicing Heat Pump Systems Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Troubleshooting Servicing Heat Pump Systems, especially related to Troubleshooting Servicing Heat Pump Systems, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Troubleshooting Servicing Heat Pump Systems, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Troubleshooting Servicing Heat Pump Systems books or magazines might include. Look for these in online stores or libraries. Remember that while Troubleshooting Servicing Heat Pump Systems, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Troubleshooting Servicing Heat Pump Systems eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Troubleshooting Servicing Heat Pump Systems full book, it can

give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Troubleshooting Servicing Heat Pump Systems eBooks, including some popular titles.

FAQs About Troubleshooting Servicing Heat Pump Systems Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, guizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Troubleshooting Servicing Heat Pump Systems is one of the best book in our library for free trial. We provide copy of Troubleshooting Servicing Heat Pump Systems in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Troubleshooting Servicing Heat Pump Systems. Where to download Troubleshooting Servicing Heat Pump Systems online for free? Are you looking for Troubleshooting Servicing Heat Pump Systems PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Troubleshooting Servicing Heat Pump Systems. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Troubleshooting Servicing Heat Pump Systems are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Troubleshooting Servicing Heat Pump Systems. So depending on

what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Troubleshooting Servicing Heat Pump Systems To get started finding Troubleshooting Servicing Heat Pump Systems, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Troubleshooting Servicing Heat Pump Systems So depending on what exactly you are searching, you will be able tochoose ebook to suit your own need. Thank you for reading Troubleshooting Servicing Heat Pump Systems. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Troubleshooting Servicing Heat Pump Systems, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Troubleshooting Servicing Heat Pump Systems is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Troubleshooting Servicing Heat Pump Systems is universally compatible with any devices to read.

Find Troubleshooting Servicing Heat Pump Systems:

whos holding your ladder selecting your leaders leaderships most critical decision

why women kill homicide and gender equality

who moved my cheese summary

whole armour john henry jowett

white air conditioners service manual

wie heet er nou lollipop

who was jesus the historical jesus and the synoptic gospels

why do we eat usbourne beginners level 2

whos who in egyptian mythology

wie ein baum gepflanzt an wasserbchen

why millions died why millions died

whiskey kisses 3am kisses book 4

white shanghai a novel of the roaring twenties in china english edition

why we fight why we fight

why do muslim women cover their head amina

Troubleshooting Servicing Heat Pump Systems:

Integrated Food Safety and Veterinary Public Health Integrated Food Safety and Veterinary Public Health. 1st Edition. ISBN-13: 978 ... Paperback, 416 pages. ISBN-10, 9780851999081. ISBN-13, 978-0851999081. Item ... Integrated food safety and veterinary public health This textbook covers an integrated approach to this type of food production, hygiene and safety and shows how it results in concurrent benefits to animal well ... Integrated Food Safety and Veterinary ... - Stylus Publishing This textbook covers an integrated approach to this type of food production, hygiene and safety and shows how it results in concurrent benefits to animal well ... INTEGRATED FOOD SAFETY AND VETERINARY PUBLIC ... by S Buncic · Cited by 103 — A catalogue record for this book is available from the British Library,. London, UK. Library of Congress Cataloging-in-Publication Data. Buncic, Sava. Integrated Food Safety and Veterinary Public Health ... This textbook covers an integrated approach to this type of food production, hygiene and safety and shows how it results in concurrent benefits to animal well ... Integrated Food Safety and Veterinary Public Health This textbook covers an integrated approach to this type of food production, hygiene and safety and shows how it results in concurrent benefits to animal well ... Integrated Food Safety and Veterinary Public Health Apr 19, 2018 — This book will be of significant interest to students of veterinary medicine, animal science, environmental health and food science and ... Integrated Food Safety and Veterinary Public Health ... This textbook covers an integrated approach to this type of food production, hygiene and safety and shows how it results in concurrent benefits to animal well ... Integrated Food Safety and Veterinary Public Health This textbook covers an integrated approach to this type of food production, hygiene and safety and shows how it results in concurrent benefits to animal well ... Integrated Food Safety and Veterinary Public Health Integrated Food Safety and Veterinary Public Health · Selected pages · Contents · Other editions - View all · Common terms and phrases · Bibliographic information ... 2005-2007 Jeep Liberty Vehicle Wiring Chart and Diagram Listed below is the vehicle specific wiring diagram for your car alarm, remote starter or keyless entry installation into your 2005-2007 Jeep Liberty. This ... Need wiring diagram for 2006 Jeep Liberty 3.7L automatic Jun 20, 2022 — Need wiring diagram for 2006 Jeep Liberty 3.7L automatic ... I find the starter relay a convenient place tp trouble shoot wiring, Check fuses then ... I need to get a wire diagram for the ignition switch....what Aug 16, 2023 — I need to get a wire diagram for the ignition switch....what colors are what and how many I should have in the connector Jeep Liberty. 2006 Jeep Liberty Alarm Wiring - the 12 volt.com Oct 14, 2006 — This is a 1-wire system with resistors. The keyless entry is built in to the ignition key and works even while the vehicle is running. I need a wiring diagram for a 2006 Jeep Liberty. Have one ... Dec 13, 2007 — I need a wiring diagram for a 2006 Jeep Liberty. Have one? 3.7 L. - Answered by a verified Auto Mechanic. 2006 Jeep Liberty Wiring Diagram 2006 Jeep Liberty Wiring Diagram. 2006 Jeep Liberty Wiring

Diagram . A71e0 Kia Radio Wiring Diagrams. E340 ford F 1 Wiring Diagram. Ignition switch wire colors Apr 2, 2019 — Im unsure though of which wires to check for continuity between. I think this is the correct wiring diagram. I found it in my Haynes repair ... Push button start wiring | Jeep KJ and KK Liberty Forum Nov 3, 2012 — Anyone knows what wires to use to install a push button start or have a wire schematic for an 06 libby. ... ignition switch to START by using a ... Wiring Diagrams | Jeep KJ and KK Liberty Forum Apr 26, 2017 — Anybody know where I could find a PDF of wiring diagrams for an '05 Jeep Liberty Renegade? Form G Practice. 3-6. Compound Inequalities. Write a compound inequality that represents each phrase. Graph the solutions. 1. all real numbers that are less than -3 ... Practice - 3-6 Write a compound inequality that represents each phrase. Graph the solutions. 1. All real numbers that are less than 23 or greater than or equal to 5. Write each set in roster form and in set-builder notation. Write a compound inequality that represents each phrase. Graph the solutions. 1. all real numbers that are less than -3 or greater than or equal to 5. Key Practice. 3-6. Class. Date. 71. Form G. Compound Inequalities. Write a compound inequality that represents each phrase. Graph the solutions. 1. all real numbers ... Practice 3 6 Form K.pdf Practice. 3-6. Class. Date. Compound Inequalities. Write a compound inequality that represents each phrase. Graph the solutions. 1. All real numbers that are ... 3 6 Practice Compound Inequalities Form G Fill 3 6 Practice Compound Inequalities Form G, Edit online. Sign, fax and printable from PC, iPad, tablet or mobile with pdfFiller ☐ Instantly. Try Now! 3-6 Compound Inequalities - YouTube Class Aug 17, 2014 — Class. Date. 1-5. Practice. Solving Inequalities. Write the inequality that represents the sentence. 1. Four less than a number is greater than ... CompoundIneqA1 03 06 PRG 2.pdf -Name Class Date ... NameClassDate 3-6 Practice Form G Write a compound inequality that represents each phrase. Graph the solutions. 1. allrealnumbersthatarelessthan-3orgreater ... 1 6 HW Answers.pdf Aug 20, 2014 — 1-6. Solve each equation. Practice (continued). Absolute Value Equations and Inequalities. Form G. 4-3m=-m-10. -2m=-14. M=7. 23. 32x+5=9x-6. 2x + ...