

GAUTENG DEPARTMENT OF EDUCATION
PREPARATORY EXAMINATION

PROOFREAD ☐	DATE _____
SIGNATURE _____	
PROOFREAD ☐	DATE _____
SIGNATURE _____	

MATHEMATICS
(First Paper)

MEMORANDUM

QUESTION 1 [14]

1.1 $x(x+2) = 0$
 $x = 0$ or $x = -2$

1A factorizing
2 CA for each answer

[3]

1.2 $x \leq -2$ or $x \geq 0$; with $x > 0$
 $\therefore x > 0$

2CA for each inequality
(-1) if "<" is used
1CA for selecting correct inequality
Full marks for answer only.

[3]

1.3
$$x = \frac{-(-3) \pm \sqrt{(-3)^2 - 4(2)(-7)}}{2(2)}$$

$$x = \frac{3 \pm \sqrt{65}}{4}$$

 $x = 2.77$ or $x = -1.27$

1A substitution into correct formula

$\frac{2}{3}$ if left in surd form

2CA for each correct answer

[3]

1.4 $1 + 2^{n-2} + 2^{n-1} + 2^n = 53$
 $2^n(2^{-2} + 2 + 1) = 52$
 $2^n = 16$
 $n = 4$

1A for $2^0 = 1$
1A for factorizing
1A for RHS
1CA
1CA

[5]

QUESTION 2 [10]

2.1.1 $(x+1)^2 - 4 = 16$
 $(x+1)^2 = 20$
 $x+1 = \pm\sqrt{20}$
 $x = \pm 2\sqrt{5} - 1$

OR

$(x+1)^2 - 4 = 16$
 $x^2 + 2x - 19 = 0$
$$x = \frac{-2 \pm \sqrt{(2)^2 - 4(-19)}}{2}$$

 $x = \pm 2\sqrt{5} - 1$

1A squaring both sides
1CA for isolating complete square
1M for taking square root
2CA for each answer

1A squaring both sides
1CA simplification
1CA substitution into correct formula

2CA for each answer

[5]

2.1.2 $k = 0$

1A

[1]

Gauteng 2014 Maths Preparatory Memorandum

M Lipman



Gauteng 2014 Maths Preparatory Memorandum:

As recognized, adventure as competently as experience approximately lesson, amusement, as skillfully as understanding can be gotten by just checking out a book **Gauteng 2014 Maths Preparatory Memorandum** also it is not directly done, you could undertake even more regarding this life, as regards the world.

We have the funds for you this proper as without difficulty as easy habit to get those all. We have enough money Gauteng 2014 Maths Preparatory Memorandum and numerous ebook collections from fictions to scientific research in any way. accompanied by them is this Gauteng 2014 Maths Preparatory Memorandum that can be your partner.

<https://staging.conocer.cide.edu/files/publication/index.jsp/Hamilton%20International%20H77311115%20Watches%20Owners%20Manual.pdf>

Table of Contents Gauteng 2014 Maths Preparatory Memorandum

1. Understanding the eBook Gauteng 2014 Maths Preparatory Memorandum
 - The Rise of Digital Reading Gauteng 2014 Maths Preparatory Memorandum
 - Advantages of eBooks Over Traditional Books
2. Identifying Gauteng 2014 Maths Preparatory Memorandum
 - 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 Gauteng 2014 Maths Preparatory Memorandum
 - User-Friendly Interface
4. Exploring eBook Recommendations from Gauteng 2014 Maths Preparatory Memorandum
 - Personalized Recommendations
 - Gauteng 2014 Maths Preparatory Memorandum User Reviews and Ratings
 - Gauteng 2014 Maths Preparatory Memorandum and Bestseller Lists

5. Accessing Gauteng 2014 Maths Preparatory Memorandum Free and Paid eBooks
 - Gauteng 2014 Maths Preparatory Memorandum Public Domain eBooks
 - Gauteng 2014 Maths Preparatory Memorandum eBook Subscription Services
 - Gauteng 2014 Maths Preparatory Memorandum Budget-Friendly Options
6. Navigating Gauteng 2014 Maths Preparatory Memorandum eBook Formats
 - ePub, PDF, MOBI, and More
 - Gauteng 2014 Maths Preparatory Memorandum Compatibility with Devices
 - Gauteng 2014 Maths Preparatory Memorandum Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Gauteng 2014 Maths Preparatory Memorandum
 - Highlighting and Note-Taking Gauteng 2014 Maths Preparatory Memorandum
 - Interactive Elements Gauteng 2014 Maths Preparatory Memorandum
8. Staying Engaged with Gauteng 2014 Maths Preparatory Memorandum
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Gauteng 2014 Maths Preparatory Memorandum
9. Balancing eBooks and Physical Books Gauteng 2014 Maths Preparatory Memorandum
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Gauteng 2014 Maths Preparatory Memorandum
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Gauteng 2014 Maths Preparatory Memorandum
 - Setting Reading Goals Gauteng 2014 Maths Preparatory Memorandum
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Gauteng 2014 Maths Preparatory Memorandum
 - Fact-Checking eBook Content of Gauteng 2014 Maths Preparatory Memorandum
 - 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

Gauteng 2014 Maths Preparatory Memorandum Introduction

In the digital age, access to information has become easier than ever before. The ability to download Gauteng 2014 Maths Preparatory Memorandum has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Gauteng 2014 Maths Preparatory Memorandum has opened up a world of possibilities. Downloading Gauteng 2014 Maths Preparatory Memorandum provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Gauteng 2014 Maths Preparatory Memorandum has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Gauteng 2014 Maths Preparatory Memorandum. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Gauteng 2014 Maths Preparatory Memorandum. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Gauteng 2014 Maths Preparatory Memorandum, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the

legitimacy of the websites they are downloading from. In conclusion, the ability to download Gauteng 2014 Maths Preparatory Memorandum has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About Gauteng 2014 Maths Preparatory Memorandum 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 web-based 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, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Gauteng 2014 Maths Preparatory Memorandum is one of the best book in our library for free trial. We provide copy of Gauteng 2014 Maths Preparatory Memorandum in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Gauteng 2014 Maths Preparatory Memorandum. Where to download Gauteng 2014 Maths Preparatory Memorandum online for free? Are you looking for Gauteng 2014 Maths Preparatory Memorandum PDF? This is definitely going to save you time and cash in something you should think about.

Find Gauteng 2014 Maths Preparatory Memorandum :

hamilton international h77311115 watches owners manual

hand guide to the birds of new zealand paperback

harcourt grade 2 teacher guide

hamilton beach 47374 coffee makers owners manual

hanover master guide club
halliburton casing design manual
halliday physics 5th vol 1 solution manual
harcourt math 2nd grade test
hamilton g5 operators manual
hamilton beach 33675 owners manual
handbook of steel construction cisc icca
hankinson hpr200 parts manual
halibut hazelnut recipe
hamptonshire express case solutions
handbook of neurosurgery paperback

Gauteng 2014 Maths Preparatory Memorandum :

short story synonyms 7 synonyms antonyms for short - Feb 06 2023

web on this page you ll find 13 synonyms antonyms and words related to short story such as narrative novella tale account novelette and yarn antonyms for short story most relevant

short stories synonyms 7 synonyms antonyms for short stories - Mar 07 2023

web on this page you ll find 7 synonyms antonyms and words related to short stories such as tale narrative account yarn novella and novelette antonyms for short stories most relevant

146 synonyms antonyms of stories merriam webster - Sep 01 2022

web synonyms for stories tales novellas novelle narratives yarns novelettes short stories anecdotes antonyms of stories truths facts verities truisms confirmations verifications substantiations validations

english short story a blessing in disguise with interesting synonyms - Sep 13 2023

web jun 6 2021 a short story with synonyms and antonyms the beginning the best creations are birthed through pain khama had gradually come to understand the nature of his journey as an artist it was a solitary trek with no immediate solace in sight but only the assurance that something good would always come out at the end of his quest

short story synonyms antonyms synonyms com - Mar 27 2022

web synonyms for short story short sto ry this thesaurus page includes all potential synonyms words with the same meaning and similar terms for the word short story princeton s wordnet short story noun a prose narrative shorter than a novel matched categories story how to pronounce short story david us english zira us english

the curse of cogston house story with synonyms and antonyms - May 09 2023

web what are short story synonyms synonyms for short story include narrative novelette novella story tale yarn account
antonyms for short story include epic novel what are synonyms and antonyms a synonym is a word or phrase that has a very similar meaning to another word or phrase

176 synonyms antonyms of story merriam webster - Apr 08 2023

web merriam webster unabridged synonyms for story tale novella narrative yarn short story history novelette joke antonyms
of story truth fact honesty veracity truthfulness confirmation truism verification

23 synonyms of short story merriam webster thesaurus - Jan 05 2023

web merriam webster unabridged synonyms for short story tale story novella narrative yarn history joke fairy tale novelette
bedtime story

story synonyms and antonyms yourdictionary - May 29 2022

web thesaurus story story synonyms and antonyms stôrē meanings synonyms sentences imaginative writing noun synonyms
account narrative history chronicle fable anecdote description apologue myth legend allegory fiction floor tale epic recital
parable narration novel romance report saga statement version write up fairy tale alibi article

short story synonyms 6 synonyms and antonyms for short story - Jul 31 2022

web words related to short story related words are words that are directly connected to each other through their meaning
even if they are not synonyms or antonyms this connection may be general or specific or the words may appear frequently
together poem

story synonyms 66 synonyms antonyms for story thesaurus - Jun 29 2022

web on this page you ll find 146 synonyms antonyms and words related to story such as adventure anecdote article
autobiography biography and book

stories that have synonyms teaching resources ppt - Dec 04 2022

web results for stories that have synonyms 590 results sort by best match view list fill in the blank synonym stories bundle
tier 2 vocab by spruced up speech 3 00 pdf easel activity this resource contains 6 stories that each have 3 supplemental
activities it was created with grade 3 8 special education and ell students in mind

short story in thesaurus 100 synonyms antonyms for short - Apr 27 2022

web what s the definition of short story in thesaurus most related words phrases with sentence examples define short story
meaning and usage related terms for short story synonyms antonyms and sentences with short story lists synonyms antonyms
definitions sentences thesaurus parts of speech nouns adverbs synonyms similar

short story synonyms 278 words and phrases for short story - Feb 23 2022

web synonyms for short story other words and phrases for short story synonyms for short story 278 other terms for short story words and phrases with similar meaning

short stories synonyms short stories antonyms - Jan 25 2022

web synonyms for short stories in free thesaurus antonyms for short stories 1 word related to short story story what are synonyms for short stories

stories synonyms 13 synonyms antonyms for stories - Oct 02 2022

web find 13 ways to say stories along with antonyms related words and example sentences at thesaurus com the world s most trusted free thesaurus

short story with antonyms learn english with africa - Jul 11 2023

web english short story a blessing in disguise with interesting synonyms and antonyms level b1 b2

the curse of cogston house story with synonyms and antonyms - Jun 10 2023

web this short story extract with synonyms and antonyms throughout is a great way to improve children s understanding of the topic the excerpt is taken from the twinkl originals story the curse of cogston house which comes

a story synonym guide definition antonyms and examples - Nov 03 2022

web story synonym exploring words with similar meanings tale narrative chronicle anecdote fable story antonyms exploring words with opposite meanings actuality history reality truth fact to wrap up we have all probably used the word story in our writing countless times

synonym antonym stories ellii formerly esl library - Aug 12 2023

web in this lesson students read three stories that use synonyms and antonyms in context then they match synonyms and antonyms that they ve learned

the big dinosaur coloring book paperback goodreads - Aug 04 2022

web cute and fun dinosaur coloring book for kids toddlers childrens activity books designs for the big dinosaur coloring book cute and fun dinosaur coloring book for kids toddlers childrens activity books designs for boys and girls aged 4 8 by the big dinosaur coloring book paperback goodreads

the big dinosaur coloring book jumbo kids coloring book with dinosaur - Nov 07 2022

web the big dinosaur coloring book makes a great birthday present party favor or stocking filler a perfect gift for the grandchildren go on treat your little monsters to some seriously good coloring fun 100 pages of pictures and facts one of the biggest dinosaur coloring books on amazon

the big dinosaur coloring book king coloring - Oct 06 2022

web the big dinosaur coloring book kids dinosaur coloring book with facts it doesn t get much better than this 50 full page

unique drawings of some of the best known and loved dinosaurs t rex triceratops stegosaurus spinosaurus allosaurus diplodocus they are all here as well as a few less famous ones too

the big dinosaur coloring book 50 full page dinosaur for kids - Jan 09 2023

web dec 26 2019 a perfect gift for the grandchildren go on treat your little monsters to some seriously good coloring fun one of the biggest dinosaur coloring books on amazon this dinosaur book is the best gift for your girls boys

dinosaur colouring book free kids books - May 01 2022

web dec 22 2019 the dinosaur colouring book contains 20 pages of adorable dinosaurs perfect for young children for children who love dinosaurs this is a fun filled series of colouring pages see more books by peaksel here on fkb freekidsbooks org author peaksel the ultimate colouring book for young adults

amazon com dinosaur coloring books - Jun 14 2023

web dinosaur coloring book for kids realistic fun adorable illustrations for your young dinosaur enthusiast explore prehistoric lands within the dino family universe by kidznest press 342 paperback 499 free delivery fri sep 8 on 25 of items shipped by amazon more buying choices 2 32 2 used new offers best seller

the big dinosaur colouring book kids colouring book with dinosaur - Dec 08 2022

web the big dinosaur colouring book kids colouring book with dinosaur facts product details english best sellers rank 288 937 in books see top 100 in books children s books on dinosaurs colouring books for children children s books on nature customer reviews 4 6 4 6 out of 5 stars about the author

awesome dinosaurs coloring book for kids ages 4 8 - Jul 15 2023

web sep 7 2021 this dinosaur coloring book for kids ages 4 8 takes kids back in time with coloring pages that introduce them to 70 of the coolest dinosaurs that ever lived with plenty of space to color and even a couple of test pages to try out markers or crayons young paleontologists can practice spatial reasoning and hone hand eye coordination

the big dinosaur coloring book jumbo kids coloring book with dinosaur - Mar 11 2023

web the big dinosaur coloring book makes a great birthday present party favor or stocking filler a perfect gift for the grandchildren go on treat your little monsters to some seriously good coloring fun 100 pages of pictures and facts one of the biggest dinosaur coloring books on amazon

big dinosaur coloring book jumbo dinosaur coloring book for kids - Feb 10 2023

web jan 1 2020 big dinosaur coloring book jumbo dinosaur coloring book for kids toddlers girls activity joyful coloring book on amazon com free shipping on qualifying offers big dinosaur coloring book jumbo dinosaur coloring book for kids toddlers girls

dinosaur book for kids coloring fun and awesome facts goodreads - Jul 03 2022

web dinosaur book for kids features learning while having coloring fun kids will discover amazing facts for each dinosaur that they can share with family and friends 50 age appropriate illustrations perfect for little hands name and pronunciation guide for every dinosaur so kids can proudly and accurately show off what they know

the big dinosaur coloring book jumbo kids coloring book with dinosaur - Aug 16 2023

web sep 1 2019 the big dinosaur coloring book makes a great birthday present party favor or stocking filler a perfect gift for the grandchildren go on treat your little monsters to some seriously good coloring fun 100 pages of pictures and facts one of the biggest dinosaur coloring books on amazon

dinosaur coloring book free printable pdf kids activities - Jan 29 2022

web dec 14 2022 this free printable coloring book features dinosaurs from different eras the file contains 10 pages for coloring each page contains a drawing of a dinosaur with its name so that the child can learn about the different types of dinosaurs with their names download the dinosaur coloring book printable pdf file

amazon com dinosaur coloring books for kids - Apr 12 2023

web dinosaur coloring book for kids 50 realistic fun and adorable illustrations to delight your young dinosaur fan awesome coloring book wit 50 unique dinosaurs designs

dinosaur coloring book for kids ages 4 8 50 epic coloring - Sep 05 2022

web jan 4 2021 dinosaur coloring book for kids ages 4 8 50 epic coloring pages of realistic dinosaurs prehistoric scenes and cool graphics plus roarsome facts for every dino fan the cover press under on amazon com free shipping on qualifying offers *big book coloring dinosaurs vectors freepik* - Dec 28 2021

web you can find download the most popular big book coloring dinosaurs vectors on freepik remember that these high quality images are free for commercial use freepik is made for creative people like you

amazon com dinosaur coloring book - May 13 2023

web the big dinosaur coloring book jumbo kids coloring book with dinosaur facts by king coloring 4 7 out of 5 stars 1 966 paperback space dinosaur coloring book awesome dinosaur coloring book for kids age 6 12 simple coloring book for kids by j chris 3 5 out of 5 stars 3 paperback

awesome dinosaurs coloring book for kids ages 4 8 google books - Feb 27 2022

web this dinosaur coloring book for kids ages 4 8 takes kids back in time with coloring pages that introduce them to 70 of the coolest dinosaurs that ever lived with plenty of space to color and even a couple of test pages to try out markers or crayons young paleontologists can practice spatial reasoning and hone hand eye coordination

dinosaur coloring book for kids 2151220 design bundles - Mar 31 2022

web download dinosaur coloring book for kids 2151220 instantly now trusted by millions easy to use design files full support

[free printable dinosaur coloring pages packet for kids 41 pages](#) - Jun 02 2022

web aug 2 2019 this 41 page packet features 39 pages of dinosaur coloring pages each page features a different type of dinosaur shown in the scene there is a label at the bottom of each page that shows what type of dinosaur it is each page is detailed enough that older elementary students and even some middle school students will enjoy coloring it

harben jetters buy new order parts get repairs bortek pwx - Jun 20 2022

web harben jetters buy new order parts get repairs bortek pwx contact us new harben jetters for sale parts and repair services are also available contact bortek for all things harben and sewer jetting

[harben trailer jetters all american sewer tools](#) - Jun 01 2023

web harben trailer jetters water tank capacities from 100 to 600 gallons single dual or triple axle trailers three alternative liquid or air cooled industrial class diesel engines variable pump flow and pressure rates up to 18 gpm and

[time to winterize your high pressure water jetter harben](#) - Feb 14 2022

web oct 1 2022 each of our drain cleaning trailers comes fully equipped wide range of equipment as standard onsite commissioning latest low emission diesel engines all harben sewer jetters are available with a 7 channel wireless remote this makes our equipment suitable for one man operation providing fail safe control up to 500 feet from

harben jump jet a short story about a long pipe harben - Apr 30 2023

web news harben news 12 01 2022 harben jump jet a short story about a long pipe pipe cleaning de silting if you don t work in the sewerage industry you probably think a jump jet is a type of aircraft and you d be right but for those of us who make a living nearer the ground you also know it is a very useful addition to a drain jetting unit

about us harben - Apr 18 2022

web each of our drain cleaning trailers comes fully equipped wide range of equipment as standard onsite commissioning latest low emission diesel engines all harben sewer jetters are available with a 7 channel wireless remote

harben skid mounted jetter bortek pwx - Aug 23 2022

web features highlights focused on what matters similar to the harben enclosed range of jetters our skid type jetting equipment is very versatile and is designed to suit your needs and the application harben has built skids small enough to fit a 50 x 50 area and large enough to fill half of a railroad car

[harben 2035 jetter all american sewer tools](#) - Nov 25 2022

web harben s 2035 jetter is ideally suited for cleaning municipal sewer lines up to 18 inches the 2035 operates with a continuous peak flow rate of 35 gpm at 2 050 psi features clean pipes with heavy concentrations of mixed debris sand and sludge operate hydraulic root cutters and performance nozzles requiring higher torque ratings

harben jetter packs products b a r group - Oct 25 2022

web pressure cleaners diesel jetters pressure cleaners exotic trailers pressure cleaner pumps pressure cleaner accessories water pumps air compressors generators heating and cooling ventilation extraction logsplitters and chippers engines spares farm tractor hardware car wash soft wash foaming chemicals and equipment

skid mount jetters harben - Oct 05 2023

web skid mount jetters diesel harben century type pump radial piston design to 10k psi aqua triplex pump to 15k psi pressure and flows up to 10 000 psi and up to 40 gpm powered by kubota perkins or hatz diesel engines powder coated frame and hose reel

harben century jetter all american sewer tools - Mar 30 2023

web specifications engine air or water cooled diesel engines 80 h p to 135 h p as determined by pump input requirements options electric 3 phase 460 volt pump harben century type radial piston diaphragm design water tank twin 200 gallons 908 liters standard capacity repairable u v protected polyethylene construction

jetting equipment all american sewer tools harben california - Jan 28 2023

web jetting equipment trailer jetters jet at flow rates up to 18 gpm and pressures up to 4 000 psi do it all emulsify grease shred roots blow out rocks flush sludge from sewers scour surfaces harben s versatile single axle light weight trailers deliver peak performance and maximize investment returns

the harben jump jet a short story about a long pipe - May 20 2022

web 12 february 2023 the harben jump jet a short story about a long pipe if you don t work in the drainage industry you probably think a jump jet is a type of aircraft and you d be right but for those of us who make a living nearer the ground you also know it is a very useful addition to a drain jetting unit

harben 4018 dsk enclosed jetter haaker equipment company - Dec 27 2022

web the harben 4018 dsk enclosed jetter is available to fit into many different vehicles and trailers it is powered by the legendary harben p type pump producing 4 000 psi up to 18 gpm and easily capable of cleaning drains from 1 to 18 in diameter

high pressure water jetters flowplant - Jul 02 2023

web drain jetters harben has been manufacturing innovative high pressure high quality drain jetters since 1980 we offer a complete range of top specification hydro jetters for sale trailer jetters enclosed jetters van pack jetters truck mounted jetters accessories over the past 40 years harben has sold thousands of

harben dt110 trailer jetter harben california - Feb 26 2023

web jet with all the high performance features and capabilities of larger trailer and truck jetters jet up to 12 gpm and 4 000 psi with harben s 6 cylinder p pump or up to 18 gpm and 4 000 psi with harben s 8 cylinder p pump choose from four diesel

engine options 110 gallon capacity loaf style u v protected polyethylene water

e180 trailer jetter harben - Aug 03 2023

web the harben e180 trailer jetter is harben s bestseller it is suitable for cleaning drains and sewers from 1 to 18 in diameter the countries original high pressure low flow jetting unit this harben trailer jetter holds a dominant place in the market

electric skid mount jetters harben - Mar 18 2022

web dimensions harben electric skid mount jetters are highly versatile high pressure water jetting units they are powered by the unique harben high pressure diaphragm pump which is tolerant of poor quality water and has run dry capability

high pressure sewer jetters harben - Sep 04 2023

web each of our drain cleaning trailers comes fully equipped wide range of equipment as standard onsite commissioning latest low emission diesel engines all harben sewer jetters are available with a 7 channel wireless remote this makes our equipment suitable for one man operation providing fail safe control up to 500 feet from the vehicle

harben truck mounted jetter bortek pwx - Sep 23 2022

web harben truck mounted jetter harben s truck jetters can utilize any of the three harben pumps they manufacture including the p hi q and century type providing flows from 12 gpm to 35 gpm and pressures from 1 000 psi to 10 000 psi please see harben pumps for the full specification

harben e series operation maintenance manual - Jul 22 2022

web harben trailer jetters use a diesel or a gas engine to power a high pressure water pump up to 5 000 psi and 18 gpm page 8 composition of this manual section 6 fault finding fault diagnosis tables for the pump engine and ancillaries