

SOAL UN MATEMATIKA SMA 2012

Download Complete File

Soal UN Matematika SMA 2012

Soal Ujian Nasional (UN) Matematika tingkat SMA pada tahun 2012 memuat berbagai soal yang menguji kemampuan penalaran dan pemecahan masalah siswa. Berikut adalah salah satu soal UN Matematika SMA 2012 beserta jawabannya:

Soal:

Sebuah kubus ABCD.EFGH memiliki panjang rusuk 6 cm. Titik P terletak pada pertengahan rusuk FG. Titik Q terletak pada pertengahan rusuk EH. Jarak antara titik P dan Q adalah ...

Jawaban:

Langkah 1: Hitung panjang diagonal bidang alas kubus

Diagonal bidang alas adalah $EG = \sqrt{(EB^2 + BG^2)} = \sqrt{(6^2 + 6^2)} = 6\sqrt{2}$ cm

Langkah 2: Hitung panjang PH dan QH

Karena P titik tengah FG, maka $PH = \frac{1}{2} FG = \frac{1}{2} (6 \text{ cm}) = 3 \text{ cm}$ Karena Q titik tengah EH, maka $QH = \frac{1}{2} EH = \frac{1}{2} (6 \text{ cm}) = 3 \text{ cm}$

Langkah 3: Hitung panjang PQ

Dengan menggunakan teorema Pythagoras, kita dapat menghitung PQ:

$$PQ^2 = PH^2 + QH^2 \quad PQ^2 = (3 \text{ cm})^2 + (3 \text{ cm})^2 \quad PQ^2 = 18 \text{ cm}^2 \quad \mathbf{PQ = 3\sqrt{2} \text{ cm}}$$

Jadi, jarak antara titik P dan Q adalah **$3\sqrt{2}$ cm**.

Toyota Engine Repair: Frequently Asked Questions

1. When should I have my Toyota engine repaired?

Regular engine maintenance is crucial for optimal performance and longevity. You should have your Toyota engine repaired if you notice any of the following signs:

- Unusual noises or vibrations
- Reduced engine power
- Increased fuel consumption
- Check engine light illumination
- Leaking fluids

2. What are the most common Toyota engine repairs?

Some of the most prevalent Toyota engine repairs include:

- Valve adjustments
- Timing belt replacement
- Water pump replacement
- Head gasket repair
- Engine rebuild

3. How much does Toyota engine repair cost?

The cost of Toyota engine repair varies depending on the severity of the issue and the location of the repair shop. Minor repairs can cost around \$500, while major repairs can exceed \$5,000.

4. What are the benefits of having my Toyota engine repaired at a dealership?

Toyota dealerships use OEM (original equipment manufacturer) parts and have certified technicians who are trained to work on specific Toyota models. This ensures the highest quality of repairs and peace of mind.

5. How can I prevent costly Toyota engine repairs?

Regular maintenance is the key to preventing costly engine repairs. Follow the maintenance schedule outlined in your Toyota owner's manual, including:

- Oil changes
- Tire rotations
- Brake inspections
- Transmission fluid flushes
- Coolant system maintenance

Understanding the Contemporary Caribbean: Introductions to the States and Regions of the Contemporary World

Understanding the Caribbean is essential for navigating the complexities of today's globalized world. The Caribbean is a vibrant and diverse region with a rich history and culture that has shaped its contemporary political, economic, and social landscape.

1. What are the main characteristics of the Caribbean region?

The Caribbean is a diverse region comprising over 700 islands and cays, with a total population of approximately 40 million people. The region is characterized by its tropical climate, stunning beaches, and diverse ecosystems. It is also a melting pot of cultures, with influences from Africa, Europe, and Asia.

2. What are the main sub-regions of the Caribbean?

The Caribbean is typically divided into four main sub-regions:

- **The Greater Antilles:** Includes Cuba, Jamaica, Hispaniola (Haiti and the Dominican Republic), and Puerto Rico.
- **The Lesser Antilles:** Includes the Eastern Caribbean (e.g., Barbados, St. Lucia, Grenada), the Leeward Islands (e.g., Antigua and Barbuda, St. Kitts and Nevis), and the Windward Islands (e.g., Dominica, St. Vincent and the Grenadines).

- **The Lucayan Archipelago:** Includes The Bahamas and the Turks and Caicos Islands.
- **The South American Caribbean:** Includes Guyana, Suriname, and French Guiana.

3. What are the key economic activities in the Caribbean?

The Caribbean has a wide range of economic activities, including:

- **Tourism:** A major pillar of most Caribbean economies, attracting millions of visitors annually.
- **Agriculture:** Sugar, bananas, and coffee are important agricultural products.
- **Mining:** Bauxite and gold are important mineral resources in several Caribbean countries.
- **Financial services:** Many Caribbean countries have developed offshore financial centers.

4. What are the main political systems in the Caribbean?

Most Caribbean countries are parliamentary democracies, with elected governments and parliaments. However, there are also some constitutional monarchies (e.g., Jamaica, Barbados) and presidential republics (e.g., Guyana, Suriname).

5. What are the main challenges facing the Caribbean today?

The Caribbean faces a number of challenges, including:

- **Climate change:** Rising sea levels and increasingly severe storms pose significant threats to coastal areas.
- **Economic inequality:** Despite its natural beauty and tourism industry, many Caribbean countries struggle with poverty and income inequality.
- **Political instability:** Some Caribbean countries have experienced political unrest and violence.
- **Environmental degradation:** Deforestation and pollution are environmental issues affecting the region.

Growing Up on Methamphetamines: A Q&A with Nic Sheff

Methamphetamine use has become a growing problem in the United States, and it can have devastating consequences for those who use it. Nic Sheff is a recovering methamphetamine addict who has written extensively about his experiences. In this Q&A, he shares his insights on what it was like to grow up on methamphetamines.

Q: What was your childhood like? A: My childhood was difficult. My parents divorced when I was young, and I lived with my mother and stepfather, who were both alcoholics. They were often violent and abusive, and I spent a lot of time alone. I started using drugs and alcohol at a young age as a way to escape my home life.

Q: How did you first start using methamphetamines? A: I first tried methamphetamines when I was 15 years old. I was at a party with some friends, and they offered me some. I didn't know what it was at the time, but I took it anyway. I immediately felt a rush of energy and euphoria. I felt like I could do anything.

Q: How did methamphetamines affect your life? A: Methamphetamines quickly took over my life. I started using it every day, and I would often stay up for days at a time. I lost weight, I started having trouble sleeping, and I became increasingly paranoid. I also started to experience hallucinations.

Q: How did you get clean? A: I finally got clean after several years of addiction. I went to rehab, and I have been sober ever since. It was a long and difficult process, but I am grateful to be clean today.

Q: What advice would you give to someone who is struggling with methamphetamine addiction? A: If you are struggling with methamphetamine addiction, please know that you are not alone. There is help available. There are many resources available to help you get clean, and there are people who care about you and want to help you get your life back on track.

[toyota engine repair](#), [understanding the contemporary caribbean understanding introductions to the states and regions of the contemporary world 2nd second edition published by](#), [tweak growing up on methamphetamines nic sheff](#)

serie alias jj hd mega 2016 descargar gratis study guide for october sky the religious
function of the psyche review questions for human embryology review questions
series 1998 volvo v70 awd repair manual klf300 service manual and operators
manual skilled interpersonal communication research theory and practice 5th edition
head first ejb brain friendly study guides enterprise javabeans landfill leachate
treatment using sequencing batch reactor process improvement of sbr performance
mazda 323 service manual and protege repair manual 1990 2003 cummins qst30
manual vw caddy drivers manual birds phenomenal photos and fascinating fun facts
our worlds remarkable creatures series sixth grade math vol2 with beijing normal
university press textbook the latest primary ab roll improved version according to the
spring of 2011 to adjust the scope of the new curriculum standards for writingchinese
edition my name is maria isabel shakespearean performance a beginners guide
laboratory manual anatomy physiology sixth edition answer reading passages for 9th
grade this is your world four stories for modern youth student study guide for cost
accounting horngren arctic cat owners manuals the five major pieces to life puzzle
jim rohn medion user manual briggs stratton vanguard twin cylinder ohv service
repair manual chapter 4 section 1 federalism guided reading answers key iso 3219
din hypercom t7 plus quick reference guide
thelostbooks ofthebible jetenginesfundamentals oftheorydesign andoperation
downloadedeuropean reporton preventingeldermaltreatment exampleof soapnote
documentationpublication manualamerican psychologicalassociation6th
editionc3january 2014past paperanalysis kelayakanusahatanirecent advancesin
hepatology2004polaris sportsman700efi servicemanual autobiographicnarratives
asdatain appliedlinguistics fmcusers guideb737ng pioneeringtheories innursing
fundamentalsofelectric circuits5th editionsolutionsmanual datsun280zxmanual
forsaleoptimal stateestimation solutionmanualdan simondownloadcreative
havenkaleidoscopedesigns stainedglass coloringcreative havencoloringbooks
socialentrepreneurship andsocial businessanintroduction anddiscussion withcase
studies7thglobal editionlibbyfinancial accountingsolution freeex
1000professionalpower amplifiermanualsiemens advantusmanual aoacmanualfor
quantitativephytochemicalanalysis holtcallto freedomchapter 11resourcefile anew
nationalidentity withanswer keythe executorsguide acomplete manualccna2 labsand
studyguide kumonanswerlevel e1reading evinrudeenginemanuals francescoel

llamadodescargargratis significantchangesto theinternational residentialcode
2015edition2010 mitsubishilanceres ownersmanualk88h usermanual minutesand
documentsofthe boardof commissionersofthe departmentof publicparks fortheyear
endingapril26 1897modern englishusagesurvival analysisapractical approach