



برای دریافت پاسخنامه سوالات به سایت زیر مراجعه
فرمایید

http://www.20shoo.ir

Considérons les deux fractions rationnelles

$$f(x) = \frac{6x+2}{(x+1)(x-1)}$$

$$g(x) = \frac{3x-7}{(x-1)(x-2)}$$

Notons

$$(x+1)(x-1) = 0 \iff (x = -1 \text{ ou } x = 1)$$

$$(x-1)(x-2) = 0 \iff (x = 2 \text{ ou } x = 1)$$

Nous en déduisons

$$D_f = \mathbb{R} \setminus \{-1, 1\}$$

Pour tout réel x de D_f nous avons :

$$f(x) = \frac{6x+2}{(x+1)(x-1)} - \frac{3x-7}{(x-1)(x-2)}$$

Nous en déduisons successivement :

$$f(x) = \frac{(6x+2)(x-2)}{(x+1)(x-1)(x-2)} - \frac{(3x-7)(x+1)}{(x+1)(x-1)(x-2)}$$

$$f(x) = \frac{(6x^2 - 12x + 2x - 4) - (3x^2 + 3x - 7x - 7)}{(x+1)(x-1)(x-2)}$$

$$f(x) = \frac{3x^2 - 6x + 3}{(x+1)(x-1)(x-2)} = \frac{3(x-1)^2}{(x+1)(x-1)(x-2)}$$

Pour tout réel x de D_f nous avons $x-1 \neq 0$

$$f(x) = \frac{3(x-1)}{(x+1)(x-2)}$$

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کلیه حقوق مادی و معنوی این سوالات متعلق به گروه آموزشی
بیست و نوا می باشد و کپی برداری و استفاده بدون ذکر
منبع از لحاظ شرعی و قانونی مجاز نمی باشد



[20shoo.ir](http://www.20shoo.ir)

Instagram



[@ir20shoo](https://t.me/ir20shoo)

telegram



renewable energy

WWW.20SHOO.IR

1 - I always like going to green plains and visiting of sheep.

- Ⓐ members Ⓑ herds Ⓒ loads Ⓓ bulbs

2 - By 2010 my aunt was a very successful business woman. She her own business before 2008.

- Ⓐ had been started Ⓑ was started Ⓒ had started Ⓓ has started

3 - According to the report, more than 10 million liters of colas, lemonades and fruit drinks are in the UK every week.

- Ⓐ consumed Ⓑ achieved Ⓒ absorbed Ⓓ succeeded

4 - As the weeks passed, I accepted the idea of him leaving.

- Ⓐ absolutely Ⓑ quickly Ⓒ gradually Ⓓ calmly

5 - To have a healthier lifestyle, people should check their general health and have a healthy diet. A healthy diet should all necessary vitamins and minerals.

- Ⓐ convert Ⓑ consume Ⓒ recognize Ⓓ supply

6 - We sorry about the boy because he his parents in an accident.

- Ⓐ had felt / lost Ⓑ have felt / had lost Ⓒ felt / had lost Ⓓ had felt / loses

7 - An urban project has been started in the city core, with plans to plant trees, clean up litter, and renovate some public buildings.

- Ⓐ common Ⓑ renewal Ⓒ rich Ⓓ polluted

8 - The music for the opera, which next month, has been written by one of the students in the music department.

- Ⓐ will perform Ⓑ has to perform Ⓒ had to be performed Ⓓ will be performed

9 - Which sentence is a passive voices with modals?

- Ⓐ The lessons taught by the teacher should be copies by the students.
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 Ⓓ The lessons taught by the teacher should be copied by the students

10 - Should all the emails to the students before April?

- Ⓐ send Ⓑ sending Ⓒ sent Ⓓ be sent

11 - Before the students , the teacher had collected their mobile phones.

- Ⓐ started to write Ⓑ start to write Ⓒ will start to write Ⓓ started wrote

12 -

The world is still rich with natural that could be used for a long time.

- Ⓐ benefits Ⓑ resources Ⓒ opinions Ⓓ shelves

13 - I'm hungry but dinner at 6.

- Ⓐ is going to served Ⓑ is going to be served Ⓒ must be serve Ⓓ may serve

14 - It was my first time in an airplane. I was very nervous because I before.

- Ⓐ never had flown Ⓑ hadn't never flown Ⓒ didn't never fly Ⓓ had never flown

15 - Unfortunately I a cold and missed watching the match.

- Ⓐ caught Ⓑ blew Ⓒ stopped Ⓓ achieved

16 - Many reasons can help create a better relationship, the knowledge of the people, the conditions in which they meet, and how they satisfy each other's needs.

- Ⓐ despite Ⓑ unlike Ⓒ against Ⓓ including

17 - When I arrived to the classroom, the teacher the lesson already.

- Ⓐ had been started Ⓑ has already Ⓒ had started Ⓓ have started

18 - When I got up, my sister breakfast.

- Ⓐ has already prepared Ⓑ was just prepared Ⓒ had already prepared Ⓓ could ever prepare

19 - Small packages in the overhead compartment in the plane.

- Ⓐ can store Ⓑ should store Ⓒ can be stored Ⓓ ought to store

20 - People should how to use energy properly.

- Ⓐ be taught Ⓑ be teaching Ⓒ have taught Ⓓ to be taught

21 -

The room in which we slept was decorated in a of reds, blues, and yellows.

- Ⓐ result Ⓑ variety Ⓒ digestion Ⓓ distance

22 - When I home last night, I discovered that Jane a delicious dinner.

- Ⓐ arrived - had prepared Ⓑ arrived - prepared Ⓒ arrive - prepare Ⓓ had arrived - prepared

23 - Fraser sushi before he to Japan.

- Ⓐ had never eaten, came Ⓑ had come, never ate Ⓒ never ate, had come Ⓓ came, had never eaten

24 - The man to hospital immediately. He doesn't feel well.

- Ⓐ must take Ⓑ had taken Ⓒ should be taken Ⓓ were taken

25 - My father's health changed for the better after my family and I went to live in the countryside.

- Ⓐ gradually Ⓑ familiarly Ⓒ originally Ⓓ harmfully

26 - We were late for the plane because we forgotten our passports.

- Ⓐ was Ⓑ had been Ⓒ was being Ⓓ had

27 - If you visit my country, I recommend that you to visit the northern part; everything there is wonderful.

- Ⓐ check in Ⓑ inform Ⓒ dedicate Ⓓ make sure

28 - I didn't get to the meeting on time because there a lot of traffic on the road.

- Ⓐ have been Ⓑ has been Ⓒ had been Ⓓ were

29 - We went into business together once, but it didn't the way we hoped and we got out of it.

- Ⓐ work out Ⓑ check in Ⓒ figure out Ⓓ use up

30 - Which one is the correct past perfect form?

- Ⓐ She had made some delicious cookies. Ⓑ She had make some delicious cookies
Ⓒ She has made some delicious cookies. Ⓓ She made some delicious cookies.

31 - Parham's mother was really happy because she the poor man.

- Ⓐ can't help Ⓑ had helped Ⓒ won't help Ⓓ has helped

32 - Something about global warming, or some types of animals will die out.

- Ⓐ should be done Ⓑ must do Ⓒ had done Ⓓ have to be done

33 -

Teachers know that even the physical of the classroom can influence the way children learn.

- Ⓐ absence Ⓑ generation Ⓒ arrangement Ⓓ opinion

34 - Be careful about the words you choose. If you translate these sentences wrongly, they

- Ⓐ may be misunderstood Ⓑ should be misunderstood Ⓒ must misunderstand Ⓓ will misunderstand

35 - We didn't really want to go and see the musical again. We it twice - so we said "no" and we went to a restaurant instead!

- Ⓐ had already seen Ⓑ have already seen Ⓒ have already been seen Ⓓ had been already seen

36 - I felt really tired when I took the train to work yesterday because Sarah and I to a party the evening before.

- Ⓐ had been Ⓑ was being Ⓒ have been Ⓓ was been

37 - It goes without saying that when two people cooperate with each other, they better ideas.

- Ⓐ get along with Ⓑ are converted into Ⓒ come up with Ⓓ are addicted to

38 - Many teachers agree that one's language skills by listening to others.

- Ⓐ could have improved Ⓑ can be improved Ⓒ used to improved Ⓓ can improve

39 - Something about global warming or else some types of penguins will disappear from the earth.

- Ⓐ has to do Ⓑ should be done Ⓒ should do Ⓓ may be done

40 - When you give a speech, try to add to your speaking by raising and lowering your voice.

- Ⓐ variety Ⓑ identity Ⓒ measure Ⓓ source

41 - The photos Paul takes are almost always the same and boring, but his new collection of photos are exciting and attractive.

- Ⓐ unexpectedly Ⓑ suddenly Ⓒ invisibly Ⓓ willingly

42 - If you do that again, you to leave the class.

- Ⓐ should ask Ⓑ must be asked Ⓒ have asked Ⓓ had asked

43 - Do not throw rubbish onto the ground. Do not water. Use both sides of paper when you write. Stop using plastic bags for shopping.

- Ⓐ use up Ⓑ consume Ⓒ waste Ⓓ revolve

44 - It was a very difficult movie, but I it because I the book.

- Ⓐ had read- understood Ⓑ had understood- read Ⓒ understood- had read Ⓓ read-had understood

45 - We have completed our experiment and we are now analyzing the

- Ⓐ benefit Ⓑ client Ⓒ delivery Ⓓ result

46 -

The famous psychologist says a new baby has an enormous capacity for new information.

- Ⓐ absorbing Ⓑ polluting Ⓒ reducing Ⓓ dreading

47 - People are continuously buying more products and building more houses. Fresh water, oil and natural gas are just some of the resources which are in

- Ⓐ demand Ⓑ diversity Ⓒ discount Ⓓ disorder

48 - My friend believes that eating Food reduces one's chances of developing certain types of cancer.

- Ⓐ organic Ⓑ renewable Ⓒ ordinary Ⓓ junk

49 - When I the new teacher, I was so surprised. I his class before!

- Ⓐ met, had taken Ⓑ had met, took Ⓒ had taken, met Ⓓ took, had met

50 - During digestion, the starches and sugars in the food you eat are to glucose, a sugar that your body uses for energy.

- Ⓐ demanded Ⓑ transmitted Ⓒ absorbed Ⓓ converted

51 - I failed to meet the professor simply because I arrived minutes after he

- Ⓐ would leave Ⓑ was leaving Ⓒ has left Ⓓ had left

52 -

Many people are living in some places around the city with no or running water.

- Ⓐ infection Ⓑ electricity Ⓒ document Ⓓ delivery

53 - Someone once joked that computers will never man entirely until they learn to laugh at the boss's jokes.

- Ⓐ compare Ⓑ retire Ⓒ respect Ⓓ replace

54 - As far as I know, more than 20 shops will be selling a wide of local crafts including artwork, paintings, woodcarvings and food.

- Ⓐ proportion Ⓑ station Ⓒ source Ⓓ variety

55 - There was no sign of a taxi although I it half an hour before.

- Ⓐ ordered Ⓑ had ordered Ⓒ have ordered Ⓓ were order

“Solar” is the Latin word for “sun” and it’s a powerful source of energy. In fact, the sunlight that shines on the Earth in just one hour could meet world energy(A)..... for an entire year!

We can use solar power in two different ways – as a heat source and as an energy source. People(B)..... the sun as

a heat source for thousands of years. Families in ancient Greece built their homes to get the most sunlight during the cold winter months. In the 1830s, explorer John Herschel used a solar collector to cook food during an adventure in Africa. Today, we can use solar(C)..... for heating water and air in our homes.(D)..... with big shiny panels on the roof, that family is using solar power. We can also use solar energy to make electricity. The process(E)..... photovoltaics. If you have a solar-powered watch or calculator, you're using photovoltaics!

56 - A)

- Ⓐ demand Ⓟ radiation Ⓜ material ⓕ pollution

57 - B)

- Ⓐ are used Ⓟ had used Ⓜ have used ⓕ uses

58 - C)

- Ⓐ fuels Ⓟ conditions Ⓜ collectors ⓕ systems

59 - D)

- Ⓐ Having seen a house Ⓟ If you've seen a house Ⓜ A house that is seen ⓕ That house you see

60 - E)

- Ⓐ calls Ⓟ is calling Ⓜ had called ⓕ is called

