Read the passage below and answer the questions.

Hello everybody. I am Jasmin and I will be glad to share with you important things I have recently discovered about what we can do with a maths’ degree. Ideally, for those who love mathematics like me, studying it can be its own reward - but ‘what do we do next?’ is also a serious question – as serious as the subject of mathematics. Basically, my presentation is organized around three points: we are going to see firstly maths usual careers, secondly maths freelancing, and thirdly some unusual careers. Please, feel free to interrupt me if you have any questions.

So, let’s start and find out where mathematics could take you.... Firstly, there are the common careers like academia, teaching, computing, statistics and analysis, and finance. For instance, if you are really passionate about maths - especially pure maths, then an academic career could be the best way to continue exploring it. After your degree, the path to an academic career starts with a PhD. From there, you’ll usually do postdoctoral study before looking for jobs at universities. Academia is very competitive and will require very good results at degree level. Maths teaching is a great option for anyone who loves communicating maths and passing on their passion. Computing jobs, such as programming and systems administration, are quite common among maths graduates; however, you will need more skills than you gain from most maths degree courses to go into these areas. Finance is another most popular career for maths graduates. But why it attracts so many people... The term ‘finance’ covers a wide range of jobs to do with money, including banking, insurance, investment and lots more. But it is not just adding up columns of figures: it is made up of tasks like working out how risky an investment is or identifying complex patterns, things which require a sharp mathematical mind. The second point I would like to share with you is maths freelancing. Do you want to work for yourself? Find out how you can go freelance with maths... The most obvious way to work for yourself as a mathematician is maths tutoring. Many people struggle with maths, and a good one-to-one tutor can help them succeed as well as helping you put food on your table. And for this you will need to be familiar with the syllabus for the people you tutor. Tutoring can be a good option, but if you do not have experience the start will be hard. Software development is a popular career path for mathematicians, and it can be done freelance. However, you’ll need to pick up skills and experience outside of your maths knowledge! 'Consultancy' simply means offering your expertise to people and organisations that need it but do not want to hire someone to do the job full-time. Just remember: whatever path you take, working for yourself means you have more to do than just work: finding a work and managing your accounts are a couple of the troubles you can encounter. The third and last part in my project examines what else can I do with maths? Most people think of things like academia, finance, accountancy, or tutoring, but rarely think of transferring their skills to many other alternatives... You can decide to take your career as far away from maths as possible, and studying maths provides plenty of skills you can use in other jobs. The ability to solve problems by identifying which parts of a problem are important or by thinking logically and understanding and communicating complex ideas are skills which are valuable in many different careers like fashion which can be revolutionized by using topology or like architecture and design. Anything that involves processing data, from weather forecasting to political polling, requires maths. Mathematics could even take you into space! (Adapted from https://www.brighthubknowledge.org/)

1. Suggest a title to Jasmin’s presentation topic. .................................................................

2. Is Jasmin a maths student? Justify your answer. .................................................................

3. What points are developed in Jasmin’s presentation?
4. What usual jobs does she explain about in the first part?

5. What does an academia job offer you and what are the prerequisites for it?

6. What does maths freelancing mean?

7. Is maths freelancing a common / usual job, according to Jasmin?

8. List three maths jobs that can be done freelance?

9. What is the third type maths jobs about and what does it require? Explain by giving your own example.

10. Choose (a) or (b)

   a. Fill in the gaps with: statisticians, patterns, data, mislead, sectors, industry, disease, sales, real-world, methods.

      Statisticians use statistical ................to collect and analyze................ This could be about anything from ..............outbreaks to mobile phone ........... , meaning that ........ are in demand in a huge variety of ........... They need to be aware of the ways that data can ........ people, and know how to spot significant ........ in messy ........ information. Statisticians are needed in any ........ that has to find out the truth behind data.

   b. Write the finish (last part) of Jasmin’s presentation.