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ARTIFICIAL INTELLIGENCE IN EDUCATIONAL MATHEMATICS: OPPORTUNITIES AND THREATS

Mathematics is one of the fundamental sciences, which is the basis for many other disciplines. It requires students to think logically, analyze and be creative. In recent years, artificial intelligence (AI) has become increasingly accessible and powerful. This has created new opportunities for learning. By AI we mean chatbots, search services that answer questions in dialog mode.

Along with new opportunities, new threats arise, including violations of academic integrity, receiving incorrect answers, and students' dependence on search engines.

But along with these new opportunities, there are also new concerns. One of the biggest threats is that students may misuse AI and cheat in their homework, tests, or other assignments. This can result in students not really understanding the material. Sometimes the use of artificial intelligence can be detected by the teacher. This can have serious consequences for students, including disciplinary action.

Chatbots and search services are trained on a huge amount of text data, but they can still make mistakes. Students need to double-check the answers they receive. Relying solely on AI can lead to poor grades and a false sense of understanding.

AI can make tasks easier and faster. However, it can also lead to students becoming too dependent on technology. Students may not learn to solve problems on their own and may have difficulty completing tasks without using AI.

To minimize these threats, educators need to teach students about the risks of misusing AI. Students should be cautious when using AI and always verify the answers it provides.

Educators must teach students how to use AI safely and responsibly. Here are some tips for students:

- use AI only for additional assistance. Don't rely on AI to do all your tasks;
- double-check the answers provided by AI. Don't just accept them blindly;
- don't use AI to cheat or violate academic integrity;
- assess your skills and knowledge before using AI. If you're not sure how to use AI, ask your teacher for help.

The task of teachers is to develop students' skills of logical thinking, analysis and creativity so that they can solve problems independently. In order to properly assess students' knowledge, teachers can use different assessment methods that cannot be easily faked by AI. For example, open questions that require students to independently formulate answers; questions on the application of knowledge to solve real problems; projects and research. AI may not be able to generate answers that are original and creative.

It's important that AI is used by students to enhance their skills and knowledge, rather than relying on it completely.