

Introduction to Cybersecurity
Understanding the CIA Triad

Name:

Date:

Instructions: Read each scenario and write whether it is a problem with confidentiality, integrity, or availability. Then, describe one solution that could be put in place to prevent this issue.

Confidentiality: Keeping information private

Integrity: Keeping information correct and unchanged

Availability: Making sure information or systems are accessible when needed

1. A student guesses your password and logs into your school account to read your messages.
2. Someone changes the answers in an online quiz after it has already been submitted.
3. The school Wi-Fi goes down during an online test, and students cannot submit their work.
4. The school Wi-Fi goes down during an online test, and students cannot submit their work.
5. A hacker breaks into a system and changes students' grades.
6. A website is hacked and shows incorrect information to users.
7. You forget your password and are locked out of your account when you need to submit homework.