Classwork 5

As you watch the video Penetration Testing, consider the following questions:

1. What is penetration testing?

* Based on my understanding and analysis, Penetration testing, also known as pen testing, is a method used to evaluate the security of an application, network, or system by attempting to exploit its vulnerabilities. It's essentially an authorized simulated attack that aims to identify and report any weaknesses that malicious actors could potentially exploit. Penetration testers will try to "break into" systems to reveal how secure they are and then produce a report outlining any vulnerabilities and recommendations for improvement.

1. Why is it important to continuously conduct penetration testing for a strong security system?

* Based on what I have learned in the video, continuous penetration testing is important for maintaining a strong security system because it helps identify new vulnerabilities that may emerge over time as systems evolve. Regular testing ensures that security measures remain effective against potential threats and attacks, and it allows organizations to address weaknesses before they can be exploited. Additionally, continuous testing can help organizations avoid overspending on unnecessary security measures by focusing on the specific vulnerabilities that need to be mitigated.