1) How do the motivations and objectives of threat actor types, such as nation-state actors, cybercriminals, and hacktivists, differ when it comes to conducting cyberattacks?

Answer: They all have different motivations and objectives. Hacktivists usually have a movement they are following and hack for group social issues whereas cybercriminals are more likely to be motivated by financial gain. Nation-state actors are usually funded by a government to carry out APT style attacks.

2) What are some effective strategies and technologies organizations can employ to mitigate the risks associated with diverse threat actor types and evolving attack vectors in today's cybersecurity landscape?

Answer: Organizations could use Threat research as a measure of counterintelligence. This will allow security of companies to discover the Tactics, techniques, and procedures of modern cyber adversaries.