

MTH 337 Sample Quiz 7

You will have **15 minutes** to take the actual quiz.

1. The complement of a graph G , $comp(G)$ is the graph with the same nodes as G , and an edge (i, j) is in $comp(G)$ if it is **not** in G . Write a function that takes a graph G as input and returns its complement.
2. Create an animation that starts with an empty graph on 10 nodes (10 nodes but no edges) in the circular layout, and adds one random edge every frame.
3. How can you control the speed of the animation (frames per second)?