Pretend Quiz 15

This quiz is not graded. It is for practice purposes only. There are two pages.

1. Below are two figures showing an edge weighted directed graph, or *network*. In the first, construct a flow (label the edges with the flow values) and find a flow-augmenting path from $s$ to $t$ in your flow. In the second figure, label a maximal flow and show the steps to calculate the maximum flow value, then construct an $(s, t)$-cut that whose capacity has the same value as the maximum flow you found and show the steps to calculate the capacity of the cut.