

HW 5

1. C
2. $n - 1$
- 3.

1. Connected component: All vertices
2. In-component: $\{3, 4, 5, 6, 15, 16, 20, 19, 18, 13, 12, 7, 8\}$
3. Out-component: $\{2, 4, 5, 6, 8, 7, 9\}$