a) Intel(R) Core(TM) i7-8550U CPU @ 1.80GHz   1.99 GHz, 8 MB cache, 4 cores, 16.0 GB of RAM (15.8 GB usable), Windows 11 64-bit

b)

| Problem | Sequential Time | Parallel Time |
|---------|-----------------|---------------|
| 1 | 34ms | 13ms |
| 2 | 29ms | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |

c) As expected the parallel streams were able to compute results faster than the problems I solved using sequential streams, as parallel streams utilize multiple cores to perform multiple processes simultaneously.