

1.

When the printer prints 10 pages per minute, the average time for a student to wait for their print jobs to be finished is around 360 seconds, which is about 6 minutes.

The wait time is reasonable based on the reasoning below:

As given in the problem, there are 10 students working on their assignments and each prints up to twice in this given hour. Since each job could be anywhere from 1 to 20 pages long and the printer prints 10 pages per minute, the average waiting time for the print job to finish is around 2 minutes and at most 4 minutes for each student. But the waiting time simulated not just include the waiting time for their own print jobs but also the waiting time while they are in queue, so I think 5 to 6 minutes of the waiting time is reasonable for each student.

2.

When the printer prints 10 pages per minute, the average time for a student to wait for their print jobs to be finished is around 500 seconds, which is around 8 to 9 minutes.