In a hostel, 60% of the students read Hindi newspaper, 40% read English newspaper and 20% read both Hindi and English newspapers. A student is selected at random.

- 1. Find the probability that she reads neither Hindi nor English newspapers.
- 2. If she reads Hindi newspaper, find the probability that she reads English newspaper.
- 3. If she reads English new spaper, find the probability that she reads Hindi new spaper $\,$