| 2 | Seva also | ra has a coin which is biased so that when it is thrown the probability of obtaining a has a bag containing 4 red marbles and 5 blue marbles. | head is $\frac{1}{3}$. He |
|---|--------------|--|----------------------------|
| | | ra throws the coin. If he obtains a head, he selects one marble from the bag at random. il, he selects two marbles from the bag at random and without replacement. | If he obtains |
| | (a) | Find the probability that Seva selects at least one red marble. | [3] |
| | | | |
| | | | |
| | | | |
| | | | ••••• |
| | | | |
| | | | ••••• |
| | | | |
| | | | ••••• |
| | | | ••••• |
| | | | |
| | | | |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |
| | (b) | Find the probability that Seva obtains a head given that he selects no red marbles. | [2] |