

Exercise 1

Calc. : ✖

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|-----|---------|----|-------|-----|----|---------|--|--|--|---------------------|--|--|--|---------|--|----|----|-------|--|----|----|
| A company sells two printers with an extended warranty; the Graftor and the Elite. For the first 50 sales of each type of printer the number of claims are recorded as follows: | | | 5 marks | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td></td><td>Claim</td><td>Yes</td><td>No</td></tr><tr><td>Printer</td><td></td><td></td><td></td></tr><tr><td colspan="4">polyline(86.0404,0)</td></tr><tr><td>Graftor</td><td></td><td>15</td><td>35</td></tr><tr><td>Elite</td><td></td><td>10</td><td>40</td></tr></table> | | | | | Claim | Yes | No | Printer | | | | polyline(86.0404,0) | | | | Graftor | | 15 | 35 | Elite | | 10 | 40 |
| | Claim | Yes | | No | | | | | | | | | | | | | | | | | | | |
| Printer | | | | | | | | | | | | | | | | | | | | | | | |
| polyline(86.0404,0) | | | | | | | | | | | | | | | | | | | | | | | |
| Graftor | | 15 | | 35 | | | | | | | | | | | | | | | | | | | |
| Elite | | 10 | 40 | | | | | | | | | | | | | | | | | | | | |
| A purchaser is selected at random from this group. | | | | | | | | | | | | | | | | | | | | | | | |
| 1. What is the probability that they made a claim on their printer? | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Given that they didn't make a claim what is the probability that they bought the Elite? | | | | | | | | | | | | | | | | | | | | | | | |