



4. The number of flowers to two types and two colors being grown in a greenhouse are given in the following table. **2 points each**

	<b>White</b>	<b>Red</b>
<b>Rose</b>	<b>82</b>	<b>122</b>
<b>Carnation</b>	<b>75</b>	<b>89</b>

If one flower is randomly chosen, find the probability that the flower

- a) was red
- b) was a rose
- c) was a red rose
- d) was red or a rose
- e) was red given that it was a rose
- f) was a rose given that it was red

If two flowers are randomly chosen, what is the probability that both are carnations.

Are the events “being a rose” and “being a carnation” mutually exclusive events? Why or why not?