

Ex 6.03 # 2, 3, 4

2) a)

	$P(\text{windy})$	$P(\text{calm})$	total
$P(\text{wet})$	0.15	0.1	0.25
$P(\text{dry})$	0.4	0.35	0.75
total	0.55	0.45	1.0

b) $P(\text{Calm} \cap \text{Dry}) = 0.35$

3)

	25/44	45-64	65/89	Total
♂	661	1245	553	2459
♀	692	1098	493	2283
Total	1353	2343	1046	4742

b) $\frac{2459}{4742} = \underline{\underline{0.5186}}$

c) $\frac{1353}{4742} = \underline{\underline{0.2853}}$

d) $P(\text{♀ or } < 45) = \frac{2944}{4742} = \underline{\underline{0.6208}}$