

Zu 1 a) $E = \{(1,1); (1,2); (1,3); (2,1); (2,2); (2,3); (3,1); (3,2); (3,3)\}$

b) $P(1,1) = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{16}$

Zu 2 a)

Note	1	2	3	4	5	6
Strichliste	II	V	VIII	VIII	II	II
absolute Häufigkeit	2	5	9	8	2	2
relative Häufigkeit	$\frac{2}{28} = \frac{1}{14}$	$\frac{5}{28}$	$\frac{9}{28}$	$\frac{8}{28} = \frac{2}{7}$	$\frac{2}{28} = \frac{1}{14}$	$\frac{2}{28} = \frac{1}{14}$

b) $\frac{93}{28} \approx 3,3$

c) Es gilt: $\alpha_{\text{Note}} = 360^\circ \cdot p_{\text{Note}}$

$$\alpha_1 = 360^\circ \cdot \frac{1}{14} = 25,7^\circ; \quad \alpha_{21} = 360^\circ \cdot \frac{5}{28} = 64,3^\circ; \quad \alpha_3 = 360^\circ \cdot \frac{9}{28} = 115,7^\circ;$$

$$\alpha_1 = 360^\circ \cdot \frac{2}{7} = 102,9^\circ$$