a) 
$$a^* = 5xy / 5x^2$$
 $b^* = \overline{y} - a^* \cdot \overline{x}$ 

$$\overline{x} = \frac{-1 + 0 + 2 + 3}{4} = 1$$

$$\overline{y} = \frac{1 - 2 + 2 + 6}{4} = 1,75$$

$$5_{x}^{2} = \frac{1}{4} \cdot \left[ \left( -1 - 1 \right)^{2} + \left( 0 - 1 \right)^{2} + \left( 2 - 1 \right)^{2} + \left( 3 - 1 \right)^{2} \right] = 2,5$$

$$S_{xy} = \frac{1}{4} \left[ \left[ \left[ \left( -1 - 1 \right)^{2} \cdot \left( 1 - 1, 75 \right) \right] + \left[ \left( 0 - 1 \right) \cdot \left( -2 - 1, 75 \right) \right] + \left[ \left( 2 - 1, 75 \right) \right] + \left[ \left( 2 - 1, 75 \right) \right] + \left[ \left( 2 - 1, 75 \right) \right] + \left[ \left( 2 - 1, 75 \right) \right] \right]$$

$$5xy=3,75$$

$$a^* = \frac{3,75}{2.5} = 1,5$$

$$b^* = 1,75 - 1,5 \cdot 1 = 0,25$$

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3.1)
b) 
$$A(a,b)$$
 $A(a,b)$ 
 $A($ 

$$\mathcal{A}_{1.4;0.35}(4) = 1,4 \times +0,35$$
  
 $a^* = 1 \implies b^* = 1,8$ 

3.3) 2) 1 = 86, V, N, 53 # 52:4 # \( \S: 4^7 + 4^2 + 4^3 = 84\)

b) A= Mindestens eine Schlumet-Kagel P(A) = (1 + 3 + 16)/84 = 11,9%C) B = Becher mit 3 Kageln  $P(A \cap B) = \frac{P(A \cap B)}{P(A)} = \frac{6/84}{0,179} = 0,6 = 60\%$