1. a) 
$$p = \frac{13}{52} \cdot \frac{12}{51} \cdot \frac{11}{50} \cdot \frac{10}{49} \approx 0,00264$$

$$\bar{A}$$
 - cpegn 4-x καρτ x στη δοι σημη της  $\bar{A}$  - cpegn 4-x καρτ μετ της σδ  $\bar{A}$  =  $\frac{48}{52} \cdot \frac{47}{51} \cdot \frac{46}{50} \cdot \frac{45}{49} \approx 0,719$ 

$$p(A) = 1 - p(\widehat{A}) \approx 0,281$$
 07 BET: 0,281

2. 
$$C_{h}^{m} = \frac{h!}{m!(h-m)!}$$
,  $C_{10}^{3} = \frac{10!}{3!7!} = \frac{10.9 \cdot 8 \cdot \cancel{4} \cdot \cancel{6} \cdot \cancel{5} \cdot \cancel{4}}{\cancel{4} \cdot \cancel{6} \cdot \cancel{5} \cdot \cancel{4} \cdot 3 \cdot 2 \cdot 1} = \frac{720}{6} = 120$ 

$$P = \frac{1}{120} \approx 0,00833$$
Other: 0,00833

3. 
$$p = \frac{9^3}{75} \cdot \frac{8^4}{74} \cdot \frac{\cancel{x}}{13} = \frac{12}{65} \approx 0,185$$

4. 
$$p = \frac{2}{100} \cdot \frac{1}{99} = \frac{2}{9900} \approx 0,000202$$