Inleveropgave 1 - 17 November

- 1 (2pt) How many elements of $P(\{a,b,c\})$ contain the element a?
- **2** (2pt) Does $X \in P(P(X))$ hold? And $\emptyset \in P(P(X))$? If X has n elements, how many elements has P(P(X))?
- **3** (3pt) If $|A \times B| = 1$, how many elements have A and B? If $|A \times B| = 0$, what could you say about the number of elements of A and B? Explain your answer.
- **4** (3pt) When is $X \setminus Y = X$? Explain your answer.