## Worksheet 8 Solution

 $March\ 17,\ 2020$ 

## ${\bf Question} \ {\bf 1}$

- a.  $P(n): \forall n \in \mathbb{N}, \ n \leq 2^n$ .  $\forall k \in \mathbb{N}, P(0) \land P(k) \Rightarrow P(k+1)$
- Question 2
- Question 3
- Question 4