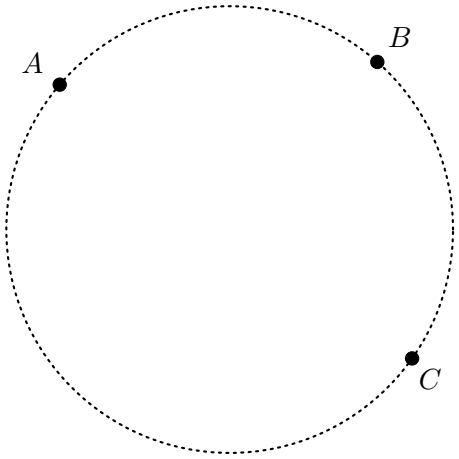
Aufgabe 1:

Aufgabe 3: