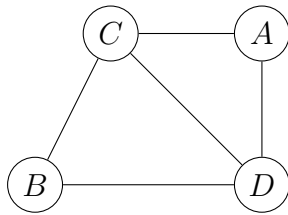


Aufgabe 1

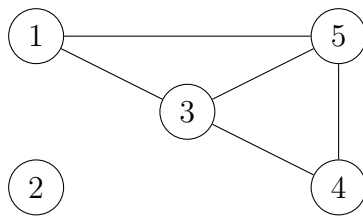
$$V = \{A, B, C, D\}$$

$$E = \{\{A, C\}, \{A, D\}, \{B, C\}, \{B, D\}, \{C, D\}\}$$

Aufgabe 2

(a) um einen ungerichteten Graphen

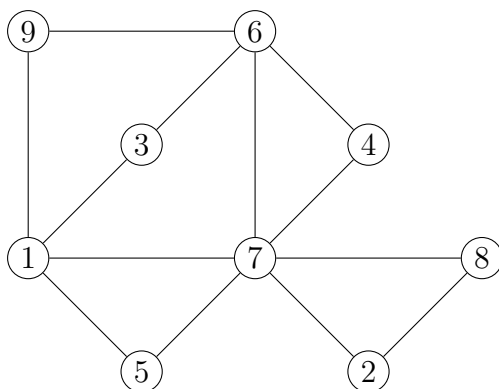
(b) Graph:

**Aufgabe 3**

$$|E| = \frac{201 \cdot 200}{2} = 201 \cdot 100 = 20\,100 \text{ Kanten}$$

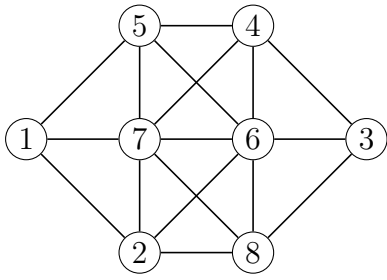
Aufgabe 4

fehlt noch!

Aufgabe 5

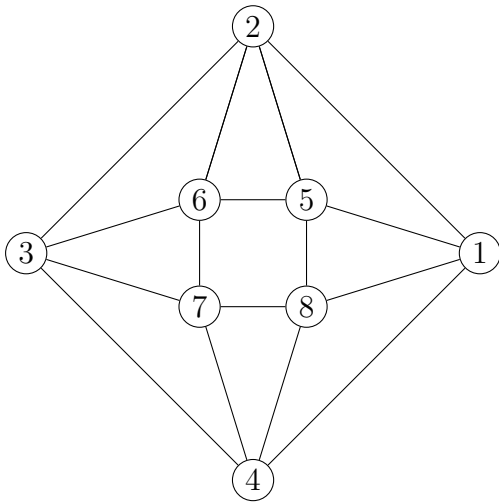
Es existiert kein Hamiltonkreis.

Aufgabe 6



Ja: z.B. 1,2,8,3,4,5,6,7,1

Aufgabe 7



Ja: 1,2,3,6,5,8,7,4,1