

Questions 1 and Lab 1 on Sets

Doerr and Levasseur, Ch 1.1 / 2, 4

Doerr and Levasseur, Ch 1.2 / 2, 4, 8

Doerr and Levasseur, Ch 1.3 / 2

Doerr and Levasseur, Ch 1.5 / 6, 8, 10

Hammack, Ch 1.1 / 2, 4, 6, 18, 20, 22, 24, 30

Hammack, Ch 1.3 / 1, 2, 5

Hammack, Ch 1.4 / 2, 10, 15

Hammack, Ch 1.5 / 2, 4,

Hammack, Ch 1.6 / 2

Hammack, Ch 1.7 / 2, 4, 6, 10, 12, 13, 14

Lab 1 on Sets

- Consider the sets $A = (1, -4, 2)$ and $B = (3, 2, 1)$. Compute the following set operations using Sage. Write down the Python/Sage statements; write down the results

1. $A \cup B$
2. $A \cap B$
3. $A \setminus B$
4. $B \setminus A$
5. $(A \setminus B) \cup (B \setminus A)$