

Übungsblatt 7

Aufgabe 1 (4 Punkte)

Let $d \geq 2$ be a positive integer. Compute the continued fraction expansion of $\sqrt{d^2 + 1}$ and of $\sqrt{d^2 - 1}$.

Aufgabe 2 (4 Punkte)

Determine the reduced quadratic forms of discriminant Δ and the class number $h(\Delta)$, for

$$\Delta = -3, -4, -8, -12.$$

Please, upload your solutions on the [Olat page](#) of this course, by **14:00** on **Wednesday, 10.06.2020**.