MATH 252: EXERCISE 8.1.A

Problem 8.1.A. Let $R = \mathbb{Q}[x]$. Using the Euclidean algorithm, compute a greatest common divisor $d(x) \in R$ of $a(x) = x^3 + 2$ and $b(x) = x^2 - 1$ and express d(x) as a linear combination of f(x) and g(x).

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