Exercise 1 (5 points)
Write \( \frac{2}{x^3 - x^2 + x - 1} \) in partial fractions.

Exercise 2 (5 points)
Determine whether the improper integral \( \int_{2}^{\infty} \frac{2}{x^3 - x^2 + x - 1} \, dx \) is convergent or divergent.
Exercise 1 (5 points)

Write \( \frac{2x^2 + 2x + 2}{x^3 + x^2 + x + 1} \) in partial fractions.

Exercise 2 (5 points)

Determine whether the improper integral \( \int_{0}^{\infty} \frac{2x^2 + 2x + 2}{x^3 + x^2 + x + 1} \,dx \) is convergent or divergent.