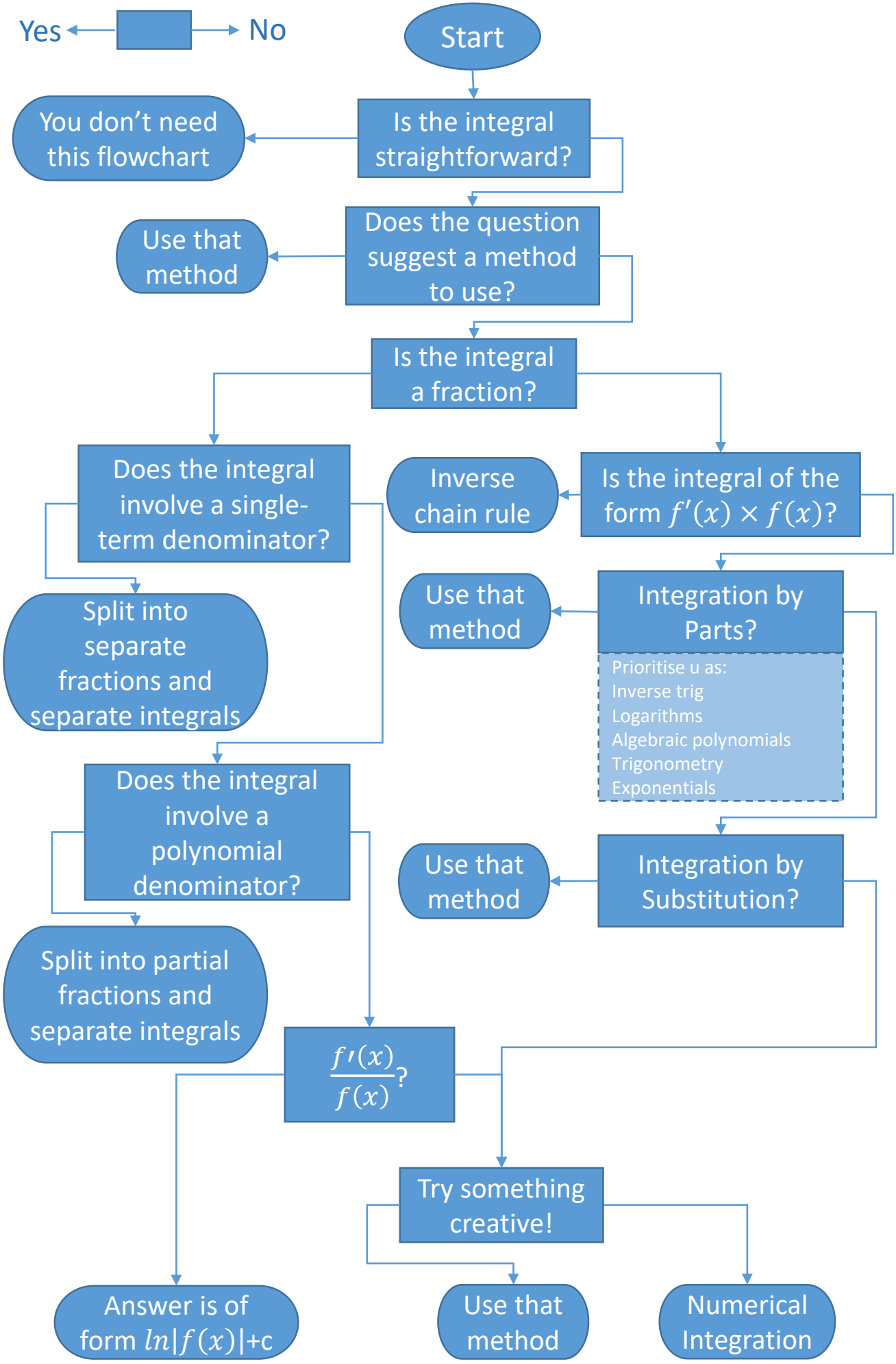
Yes
No
Start
Is the integral straightforward?
You don't need this flowchart
Does the question suggest a method to use?
Use that method
Is the integral a fraction?
Does the integral involve a single-term denominator?
Split into separate fractions and separate integrals
Does the integral involve a polynomial denominator?
Split into partial fractions and separate integrals
Is the integral of the form $f'(x) \times f(x)$?
Inverse chain rule
Integration by Parts?
Use that method
Prioritise u as:
Inverse trig
Logarithms
Algebraic polynomials
Trigonometry
Exponentials
Integration by Substitution?
Use that method
$\frac{f'(x)}{f(x)}$?
Answer is of form $ln|f(x)|$+c
Try something creative!
Use that method
Numerical Integration