

## The Curve Sketching Algorithm

- Domain & Restrictions
  - Asymptotes & End Behaviour
  - Intercepts
  - Critical Points
  - Intervals of Increase/Decrease
  - Classify Critical Points
  - Inflection Points
  - Intervals of Concavity
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**Note:**

- Use only essential steps when attempting to sketch a curve.
- Use previous knowledge of functions whenever possible.

Ex.1 Use the curve sketching algorithm to graph:

$$f(x) = \frac{x - 4}{x^2 - x - 2}$$

Assigned Work:

p.212 # 4abc

p.212 # 4fgh

4a: change constant from 30 to 25

4b: change constant to 0

4c: no changes

4f: no changes