- \*1 Oraw the picture that geometrically elemenstrates integration by parts
- #2 True or false (and explains)
  - a) Einler factored the function sinx
  - b) Oscartes discovered calculus
  - (5) Leibniz lenew about Riemann sums
  - d) The Pythagorean theorem is sometimes falso
  - e) Fermat invented modular forms
  - 1) If I see a triangle with 179° I must be living in the hyperbolic world
  - g) An integral (like  $S(x^3+4x) dx$ ) is fundamentally an antiderivative.
  - #3 Finel the eccentricity, foci, and directors of the curve given by  $\frac{\chi^2}{100} + \frac{\chi^2}{36} = 1$