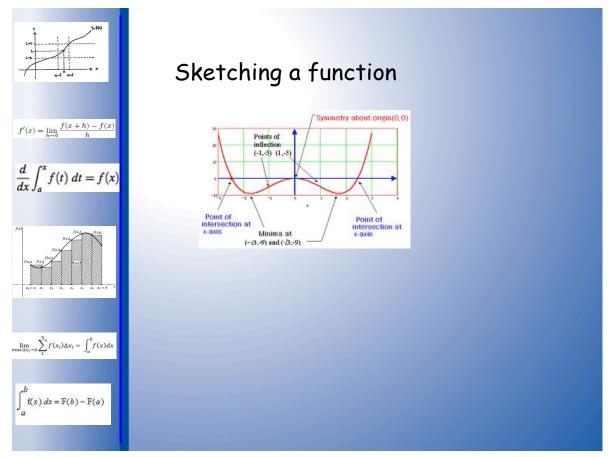
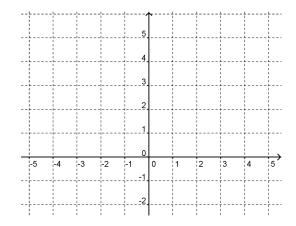
## 19 Curve Sketching



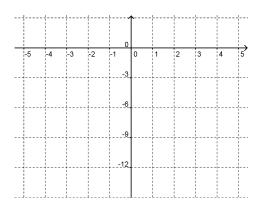
- EX 1 Sketch the graph of  $f(x) = x^2(x^2 1)$ .
  - a) domain
  - b) symmetry
  - c) x-intercepts
  - d) First derivative information



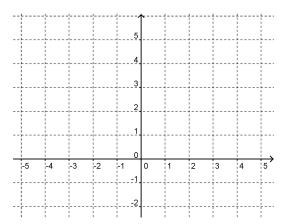
- e) Second derivative information
- f) Asymptotes:

## 19 Curve Sketching

EX 2 Sketch the graph of  $f(x) = \frac{(x-3)^2}{x}$ .



EX 3 Sketch the graph of  $f(x) = |x|^3$ 



## 19 Curve Sketching

