Critical Numbers:

A number c in the domain of a function such that the derivative at c equals 0 or the derivative at c does not exist.

Where do they occur on a graph???

} F’ (c) = 0

} F’ (c) dne

1. Minimum
2. Maximum
3. Discontinuity
4. Sharp Point
5. Vertical Tangent

Check for what x 

F (x) = 

F’ (x) = 4x + 4

0 = 4x + 4

0 = 4(x – 1)

X = 1  1 is a critical number

Point of Inflection: