

First I factored both the numerator and the denominator.

* Factor out the x in the numerator

$$x^2 + 2x = x(x + 2)$$

* You find that you can't factor the denominator.

denominator.

After factoring I looked at the denominator.

There are no factors, that's why you

plug in any # for x will = zero in the

denominator. There are no holes or VAs

(points of discontinuity) because when you

plug in the number for x , there is always a

value other than zero.

Then after stating there are no Poles, it

is safe to say that they are neither removable

or non removable. Also because there is no

value that can be x the domain is

All real numbers.

$$x = \mathbb{R}$$

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After that I plugged in the equation
in the $N=$ to tab. Press graph.

Press 2^{nd} trace 2 to find the y int.

$$y = 0$$

Press 2^{nd} trace 2 to find the x int.
(value that crosses the x axis)

$$x = -2$$