Unit 3 Lesson 11

- A function has a pole where it shoots upwards to $+\infty$ or downwards to $-\infty$.

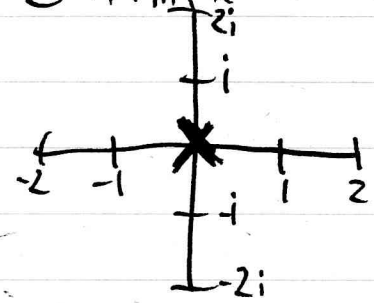
- We define the exponential growth rate of a function as the smallest a s.t.

$$\lim_{t\to\infty} \frac{f(t)}{e^{bt}} = 0 \quad \text{for all } b > a$$

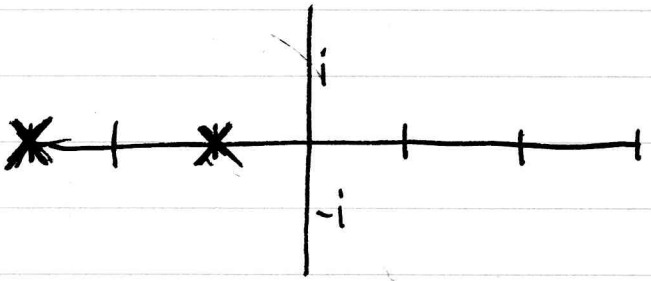
- the largest real part of a function's Laplace transform's roots is its egr.

Example Problems

1i



2i



3i