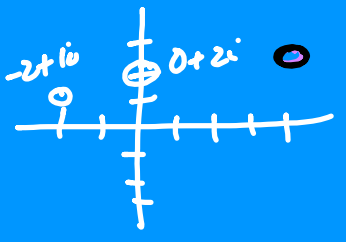
Mandelbrot Set--Choose coordinate for c-value. Always iterate beginning with 0. Change coordinate for c-value each time you want to color a different point.

$f(x) = x^2 + c$ ←

$f($




Key Characteristic
Self-similar

$f(x) = x^2 + 4 + 2i$

$f(0) = 0^2 + 4 + 2i = 4 + 2i$

$f(4+2i) = (4+2i)^2 + 4 + 2i$

$= 16 + 16i + 4i^2 + 4 + 2i$

$= 16 + 18i$

$f(16+18i) = (16+8i)^2 + 4 + 2i$

$= 256 + 256i + 64i^2 + 4 + 2i$

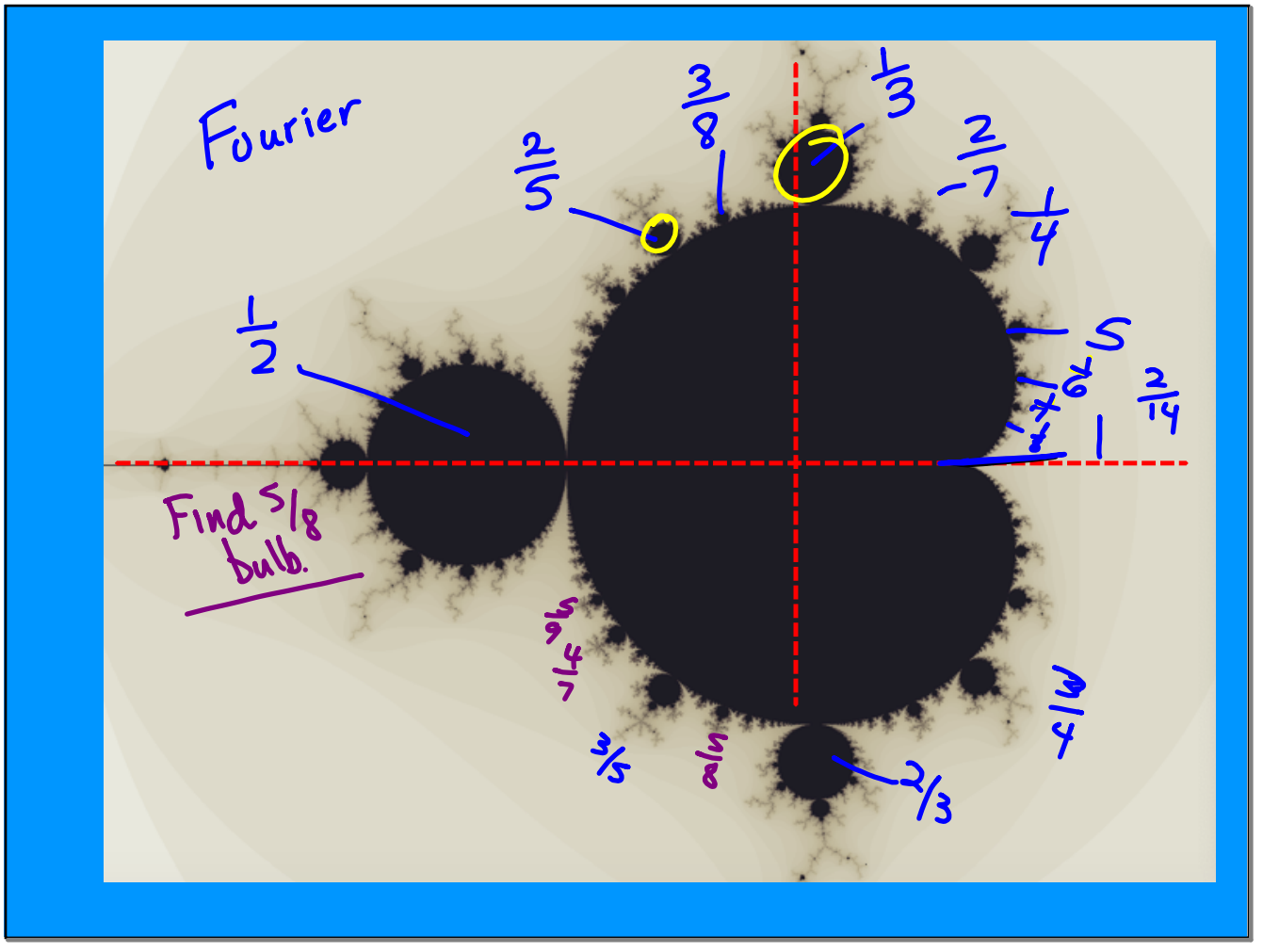
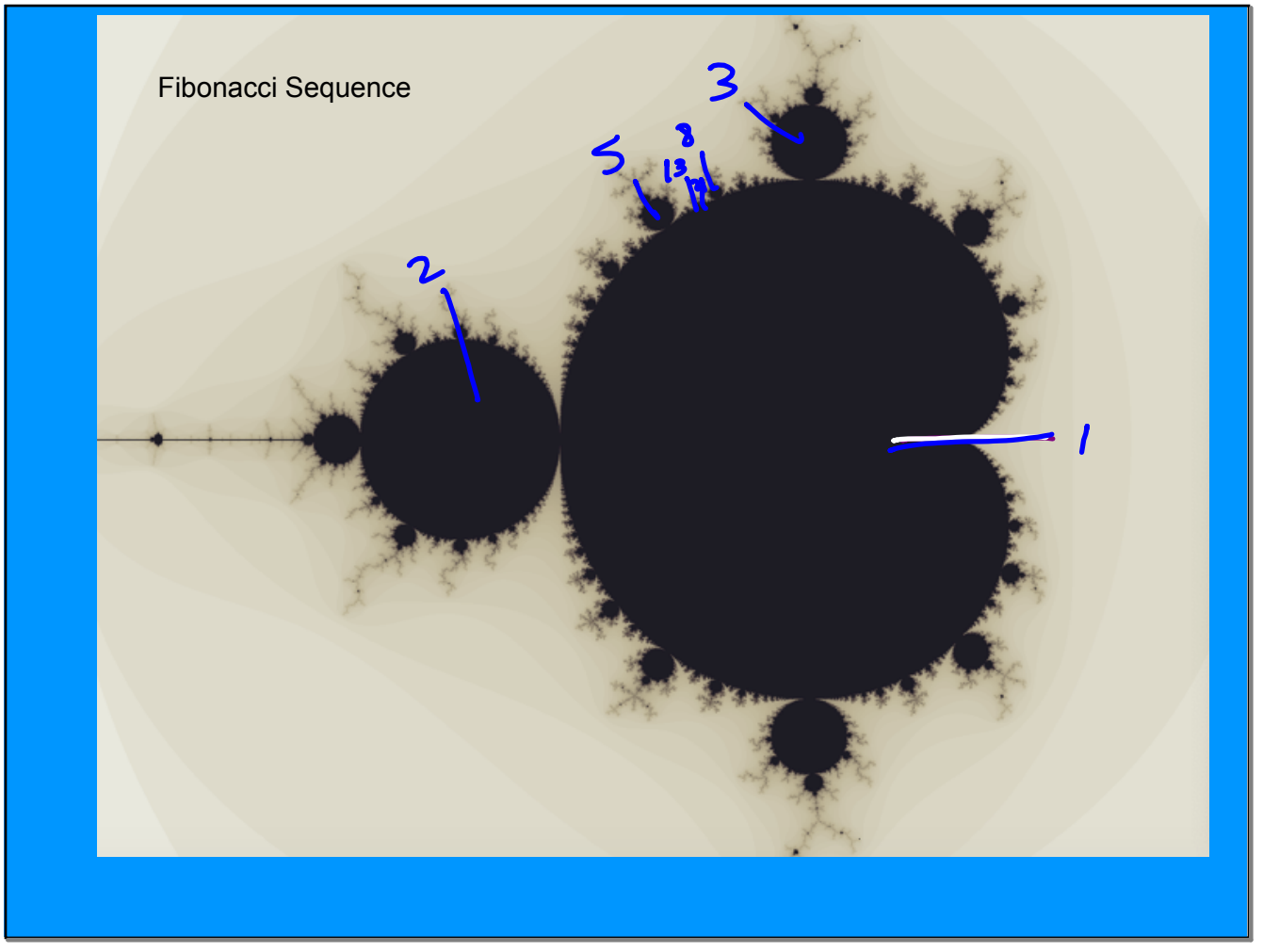
$= 196 + 258i$

Orbit: $4+2i, 16+8i, 196+258i$

Calculator:

1) $x^2 + (1+i) \mid x = 0$

2) $x^2 + (1+i) \mid x = Ans$


Fourier
3/8
1/3
2/5
2/7
1/4
1/2
Find 5/8 bulb.
3/5
2/3

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