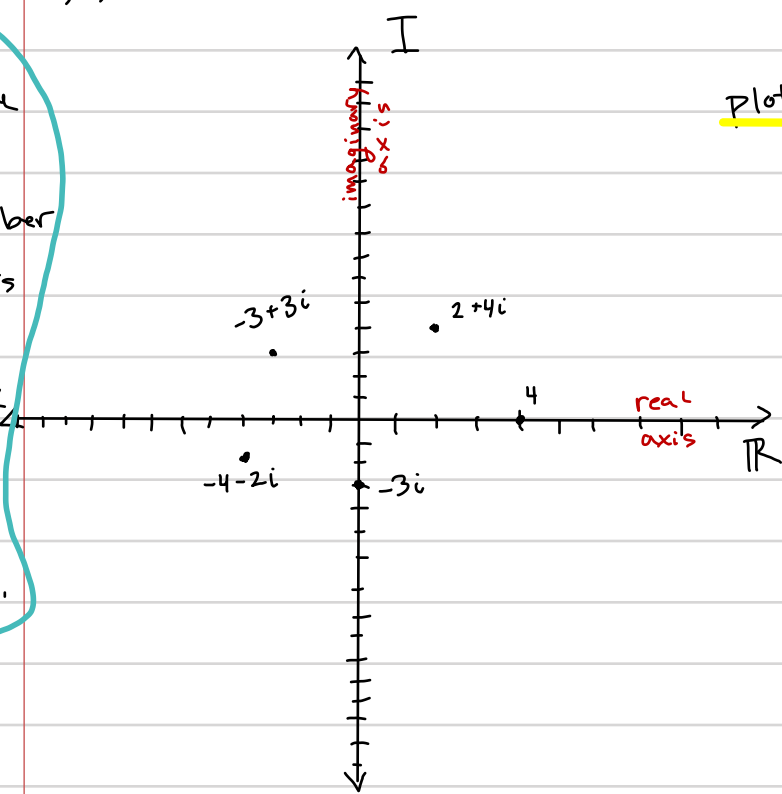


11/7/12 Plotting complex numbers in the complex plane

- you count the real part of the complex number on the real axis
- you count the imaginary part of the complex number on the imaginary axis.



plot the following complex numbers:

- $2 + 4i$
- $-3 + 3i$
- 4
- $-4 - 2i$
- $-3i$

Example 1

Plot the following; $w, z, w-z$ and $w+z$.

$w = -6 + i$ $z = 4 - 5i$

$$w - z = -6 + i - (4 - 5i) = -6 + i - 4 + 5i = -10 + 6i$$

$$w + z = -6 + i + 4 - 5i = -2 - 4i$$

