

x and y

are never defined!?

Are they the same as

z_x, z_y ?

~~$z = z_x + z_y i$~~

$$z = z_x + z_y i$$

$$z^2 = (z_x + z_y i)(x + y i)$$

$$= (x^2 - y^2) + (2xy)i$$

\uparrow \downarrow Ca to real $part = z_x$	\uparrow \downarrow Cb to imag $part = z_y$
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