

מספרים מדומים, מרוכבים ומצומדים

$$i = \sqrt{-1}$$

$i$

שם נר מצומד

$$4i$$

$$\frac{i}{3}$$

$$\frac{5i}{3}$$

$$i \cdot i = i^2 = -1$$

$z = 4 + 5i$

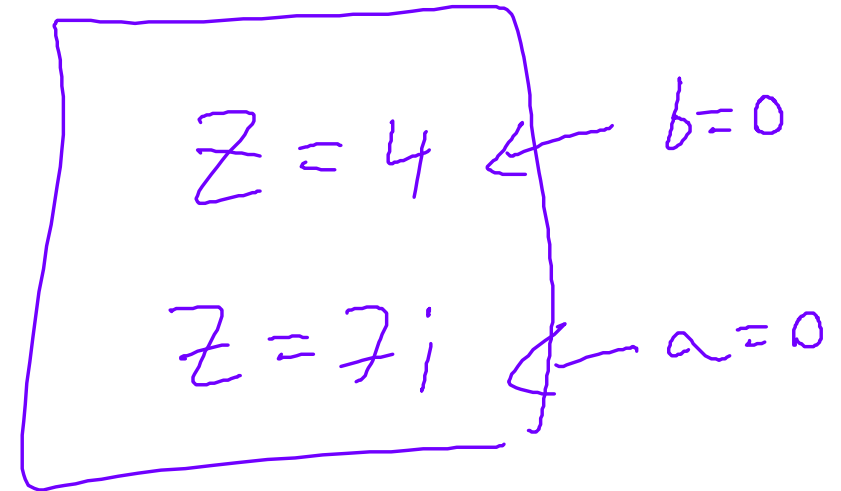
Real part  $\rightarrow$  4  
 Imaginary part  $\rightarrow$  5

$z \leftarrow$  Real part

$z = a + bi$

$a = \text{Real part}$   
 $b = \text{Imaginary part}$

$z = a + bi$



$$z = a + bi$$

$$z^* = a - bi$$

$$z = 3 - 7i$$

$$z^* = 3 + 7i$$

$$z^* = 3 + 7i \quad \text{wow}$$