

$$\frac{a+6i}{c+di} = \frac{a+6i}{c+di} \cdot \frac{c-di}{c-di} = \frac{ac+bci-adi-6di^{2}}{c^{2}-dc^{2}} = \frac{ac+bci-adi+bd}{c^{2}+d^{2}} = \frac{ac+bd}{c^{2}+d^{2}} + \frac{bc-ad}{c^{2}+d^{2}}i$$

$$\frac{2i}{i} + \frac{6i}{c + di} = \frac{a + 6i}{c + di} \cdot \frac{c - di}{c - di}$$

$$\frac{x+6i}{+di} = \frac{a+6i}{c+di} \cdot \frac{c-di}{c-di}$$

$$Z = a+6i$$

$$\frac{+h-\epsilon(x)}{h} \qquad \qquad \xi(x) = x^n$$

$$6'(x) = \lim_{h \to 0} \frac{6(x+h) - 6(x)}{h}$$

$$6'(x) = \lim_{h \to 0} \frac{(x+h)^n - x^n}{h} = \lim_{h \to 0} \frac{x^n + n^{n-1} - x^n}{h} = \lim_{h \to 0} \frac{h_{0x} + h^n}{h} = \lim_{h \to 0} \frac{n^{n-1} + n^{n-1}}{h} = \frac{1}{1} \lim_{$$

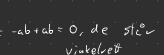
$$2 - Funksjone$$

$$0 + (x) = \lim_{h \to 0} \frac{6(x+h) - \epsilon u}{h}$$

$$0 + (x) = \lim_{h \to 0} \frac{6(x+h) - \epsilon u}{h}$$

$$= \frac{ac + bci - adi + bd}{c^2 + d^2} = \frac{ac + bd}{c^2 + d^2} + \frac{bc - ad}{c^2 + d^2} i$$

$$\frac{ci-adi+bd}{+d^2} = \frac{ac+bd}{c^2+d^2} + \frac{bc-ad}{c^2+d^2} i$$



$$Z = q + bi$$

$$(a,b) \Rightarrow a \cdot (-b) + a \cdot b = -ab + ab = 0, de ste^{2}$$

$$(z = qi + bi^{2} = -b + ai) (-b,a)$$
vinkeliet

3-Likninger