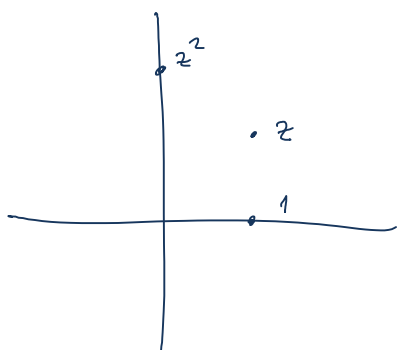


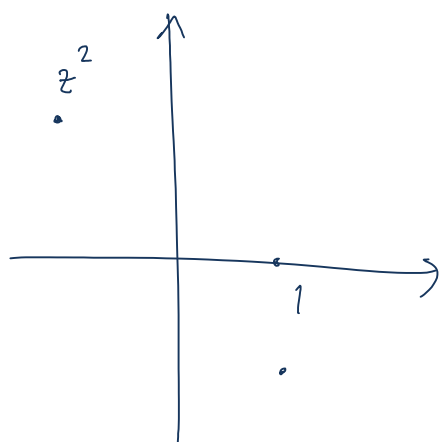
Geometriskt argument. Räkna om
det känns
osäkert.

a)



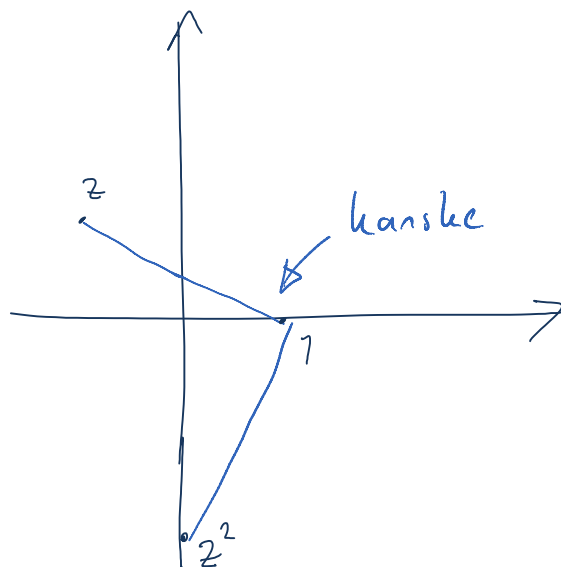
Nix

b)



Nix

c)



$$z-1 = -1+i-1 = -2+i$$

Rotera $90^\circ \curvearrowright$

$$i \cdot (-2+i) = -2i-1 \\ = -1-2i$$

Translater

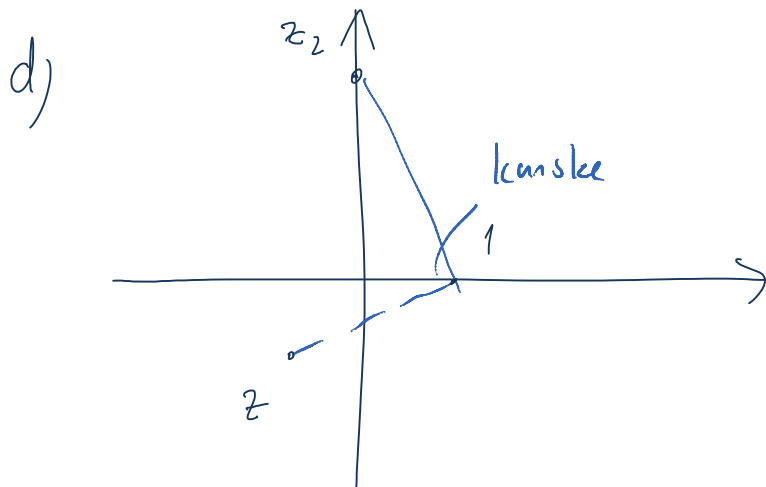
$$-1-2i+1 = -2i$$

$$\text{Är } z^2 = -2i \text{?}$$

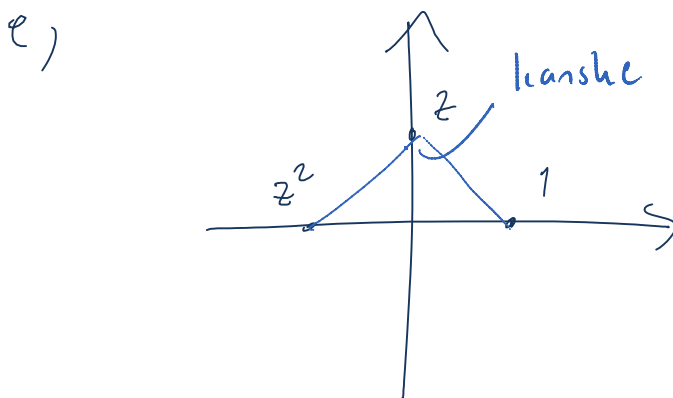
Ja.

$$(-1+i)^2 = 1 - 2i + i^2 = -2i$$

Ja!



På samma sätt som
c) \Rightarrow JA.



Triangeln är likbent
och vinklarna 45°
så JA