

Some limit problems.

1.

$$\lim_{z \rightarrow i} \frac{1}{(z+i)^2} = \frac{-1}{4}$$

2.

$$\lim_{z \rightarrow -i} (\bar{z}^2 - z) = i - 1$$

3.

$$\lim_{z \rightarrow i} \frac{z^3 + i}{z - i} = -3$$