

STEP/Complex Numbers: Exercises - Overview (14/6/23)**Q1**

$$p - q = ki(r + s) \Rightarrow p^* - q^* = ? ,$$

where k is real (and p, q, r & s are complex)

Q2

The corners of a right-angled triangle are the points P, Q & R in the Argand diagram (in anti-clockwise order, with the right-angle being at Q), represented by the complex numbers p, q & r .

Find an expression for $\frac{p-q}{r-q}$

