2021 Worksheet 6
Year 11 Applied Mathematics

Write the answers in your Exercise Book.

(a)   Fill in the table shown below for the operation $\oplus$ so that:

- The system is **closed**.

- The **identity** element is p.

- The operation $\oplus$ is **commutative**.

- The inverse of q is t.

- The inverse of r is s.   **(4 marks)**

$\oplus$	p	q	r	s	t
p					
q		r		t	
r		s	t		q
s				q	r
t					s

(b)   What is the **inverse** of p?   **(1 mark)**