1 $w = 5y^2 - y^3$

(a) Work out the value of w when $y = -2$

$w = $ ....
(2)

P 6 6 3 0 2 A 0 3 2 4

1 $P = m^2 - 4c$

(a) Work out the value of P when $m = -5$ and $c = 3$

$P = $ ....

(2)

3

$G = c^2 - 4c$

(b) Find the value of G when $c = -5$

$G =$ ....

(2)

5 $E = n^2 + n + 5$

Ali thinks that the value of E will be a prime number for any whole number value of n.

Is Ali correct?
You must give a reason for your answer.

....

....

(Total for Question 5 is 2 marks)