29 Given that P is inversely proportional to the square of w and that $P = 16$ when $w = 5$

(a) find the value of P when $w = 12.5$

$P = $ ....

(3)

Given also that P is inversely proportional to y and that $P = 75$ when $y = 4$

(b) find the value of y when $w = 2$

$y = $ ....

(3)

(Total for Question 29 is 6 marks)

(TOTAL FOR PAPER IS 100 MARKS)