hapter Name:Bahupadhangal *Marks :(3)*
Quest:

The area of a rectangle is represented by the polynomial P(x) = $x^2 - 6x + 5$,

a) If the length is (x - 1), find the breadth as a first degree polynomial

b) If the length is 5 what is its breadth?

Hint:

a)Length = (x - 1) (1)

If Breadth is x - b then

Area = $x^2 - 6x + 5$ = (x - 1) (x - b)

= x^2 - (1 + b) x + b

b = 5

Breadth = (x – 5) (1)

b) Length = x - 1 = 5, x = 6

Breadth = x - 5 = 6 - 5 = 1 (1)