

2021 Worksheet 10

Year 10 Mathematics

Write the answers in your Exercise Book.

1. $9x^0 + x^0$ is equal to

A. 1

B. 2

C. 9

D. 10

(1 mark)

2. Factorise the following:

(a) $x^2 - 1$

(1 mark)

(b) $x^2 + 20x + 100$

(1 mark)

(c) $x^2 - 14x + 49$

(1 mark)

3. Solve the following equations:

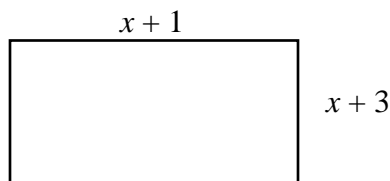
(a) $x^2 - 16 = 0$

(2 marks)

(b) $(x-3)(2x-8)=0$

(2 marks)

4. The perimeter of the rectangle shown below is 50 cm.



(a) Write a **mathematical equation** linking the length, width and the perimeter.

(2 marks)

(b) What is the width of the rectangle?

(1 mark)