

2021 Worksheet 2 Year 9 Mathematics

Write the answers in your Exercise Book.

Numbers

1. Work out the following:

(a) $|-1| + |-3|$ **(1 mark)**

(b) $|-100 - -198|$ **(1 mark)**

(c) $|-5| \times |-2|$ **(1 mark)**

(d) $|-18| - |-7| + |5|$ **(1 mark)**

Algebra

2. Simplify the following:

(a) $2m + 3m$ **(1 mark)**

(b) $3y^3 \times 3y^3$ **(1 mark)**

(c) $9a + c - 8a + c$ **(1 mark)**

(d) $\frac{6b^2}{2b}$ **(1 mark)**

3. Factorise the following:

(a) $-2a - 8ab$ **(1 mark)**

(b) $3x - 9$ **(1 mark)**

4. Solve the following equations:

(a) $100 = 5x - 5$ **(2 marks)**

(b) $10(3 + x) = 100$ **(2 marks)**

(c) $\frac{t}{2.5} - 8 = 4$ **(2 marks)**