

National 5 Maths Practice Paper B

Paper 1 You may NOT use a calculator

1. Evaluate

$$7.18 - 2.1 \times 3.$$

2

2. Evaluate

$$1\frac{1}{8} \div \frac{3}{4}$$

2

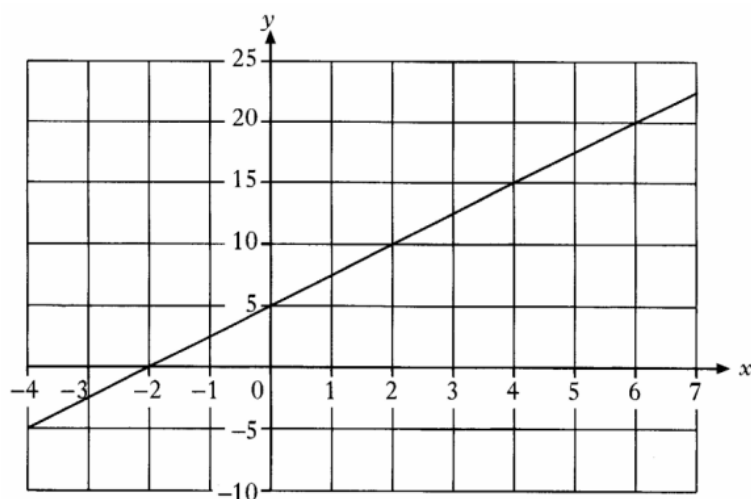
3. Solve the inequality $5 - x > 2(x + 1)$

3

4. Given that $f(x) = x^2 + 5x$, evaluate $f(-3)$.

2

7.



Find the equation of the straight line shown in the diagram.

Give your answer in the form $y = mx + c$.

3

9. Multiply out the brackets and collect like terms.

$$(x - 3)(x^2 + 4x - 1)$$

3

11. Two functions are given below.

$$f(x) = x^2 + 2x - 1$$

$$g(x) = 5x + 3$$

Find the values of x for which $f(x) = g(x)$.

3

12. Express in its simplest form

$$y^8 \times (y^3)^{-2}$$

2

14. (a) Express $\sqrt{45} - 2\sqrt{5}$ as a surd in its simplest form.

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