Name:

Level 2 Further Maths

Gradient

Corbettmaths

Ensure you have: Pencil or pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Revision for this topic

www.corbettmaths.com/more/further-maths/

1. Work out the gradient of the line joining the points (3, −5) and (7, 11)

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(2)

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2. Work out the gradient of the line joining the points (−7, −2) and (1, −4)

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(2)

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3. Work out the gradient of the line passing through the points (−2, 5) and (6, −4)

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(2)

4. Work out the gradient of the line joining the points (−3, −5) and (9, −1)

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(2)

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5. Work out the gradient of the line joining the points (−9, −12) and (−3, −36)

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(2)

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6. Work out the gradient of the line joining the points (−4.5, 3) and (6, −7.5)

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(2)

7. A line passes through the points $(4a, -a)$ and $(6a, 5a)$

Work out the gradient of the line

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(2)

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8. The line passing through (5, –2) and (8, c) has a gradient of 3.

Find c.

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(3)

9. The line passing through (–8, –9) and (–2, h) has a gradient of 4.

Find h.

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(3)

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10. The line passing through (3, –4) and (m, 10) has a gradient of 2.

Find m.

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(3)

11. The line passing through (–2, 5) and (2, n) has a gradient of –½

Find n.

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(3)

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12. The line passing through (1, p) and (5, 1) has a gradient of 0.75

Find p.

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(3)

13. The line passing through $(-3, -6)$ and $(g, -5g)$ has a gradient of –3

Find g.

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(3)