



Aberdare Community School
Mathematics Department

WJEC GCSE
Higher – Calculator
Algebra

Change the subject of a formula

Name:

Set:

Date:

Teacher:

14. Make b the subject of the formula $a = \frac{b}{c} + 5$.

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[2]

13.

(b) Make m the subject of the formula

$$3(2m - t) = 2t + 7 .$$

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[3]

(b) Make f the subject of the following formula.

$$13f - 7 = 3g(2f + 4).$$

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16.

(b) Make c the subject of the formula

$$a = \sqrt{bc - d}.$$

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12. (a) Make R the subject of the formula $W = \sqrt{Rx}$.

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8. (a) Make p the subject of the following formula.

$$q = 8p - 45$$

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11. (a) Make w the subject of the formula $8(w - 3y) = 3(w + 2y)$.

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[3]

4. (a) Make f the subject of the formula $3g = 4f - 7$.

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[2]

10. Make P the subject of the formula

$$V = \sqrt{PR}.$$

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10. (a) Make t the subject of the following formula.

$$q = 5t + 6$$

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6. (a) Make r the subject of the following formula.

$$3r + d = f^2 + 4$$

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9. (a) Make d the subject of the formula $3d^2 = 4g$.

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(b) Make x the subject of the formula $y = \frac{3x+4}{5x+2}$.

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7. (a) Make k the subject of the formula

$$6(3k - q) = dk + 7.$$

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10. (a) Make g the subject of the formula.

$$3(g - 2f) = ag + 5h$$

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(c) Rearrange the following formula to make r the subject.

$$7r - b = ar - c$$

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Examiner
only

11.

(b) Rearrange the following to make h the subject of the formula.

[3]

$$p = \frac{3h}{f} + g$$

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(c) Rearrange the following to make x the subject of the formula.

[2]

$$A = \sqrt{xy}$$

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