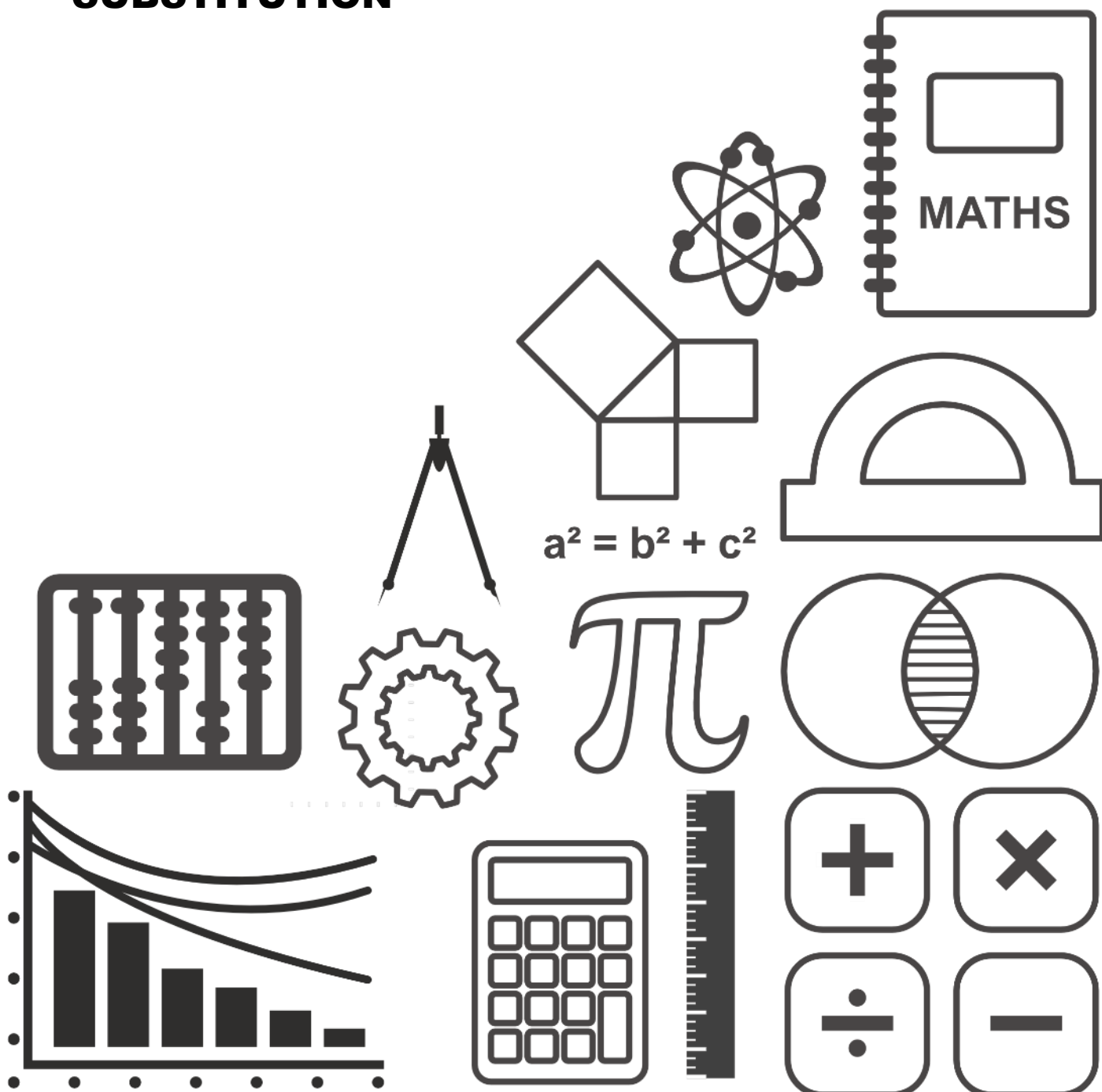


MATHSDIY

GCSE TOPIC BOOKLET SUBSTITUTION



1. Find the value of $3x + 5y$ when $x = 4$ and $y = -6$.

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(2)

2. Find the value of $5x + 4y$ when $x = -3$ and $y = -2$.

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(2)

3. What is the value of $4a - 6b$ when $a = -5$ and $b = 2$?

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(2)

4. What is the value of $5a + 3b$ when $a = 2$ and $b = -4$?

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(2)

5. What is the value of $6d - 7e$ when $d = -3$ and $e = 2$?

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(2)

6. Find the value of $4c - 3d$ when $c = -2$ and $d = 6$.

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(2)

7. Find the value of $2a + 5b - 6c$ when $a = 2$ and $b = 4$ and $c = \frac{1}{3}$.

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(2)

8. Find the value of $3a - b + 4c$ when $a = 3$ and $b = -1$ and $c = \frac{1}{2}$.

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(2)

9. Find the value of $p - 2q - 6r$ when $p = 2$ and $q = 4$ and $r = \frac{1}{2}$.

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(2)

10. Find the value of $x - y - 4z$ when $x = 9$ and $y = 3$ and $z = \frac{1}{2}$.

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(2)

11. Find the value of $x^2 - 2y$ when $x = 9$ and $y = 3$.

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(2)

12. Find the value of $4x^3$ when $x = -2$.

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13. Find the value of $2(a - 5b) - c$ when $a = 3$ and $b = 2$ and $c = 4$.

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(2)

14. Find the value of $a^2 - b^2 + 3c$ when $a = 3$ and $b = -1$ and $c = \frac{1}{2}$.

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(2)

15. Given that $a = -6$ and $b = 3$ and $c = 4$, find the value of each of the following expressions.

a) $\frac{a^2}{4} - a$

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(2)

b) $2b^3$

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(2)

c) $\frac{8.5a+b}{c}$

.....

(2)

16. Given that $k = -3$ and $m = 7$ and $p = 10$, find the value of the following expressions.

a) $\frac{5(k^2 - m)}{p}$

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(2)

b) $(2m)^3$

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(2)

c) $\frac{6(p^2 - 10m)}{k}$

.....

(3)

d) $(2k)^3$

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(2)

e) $\frac{6m(k^2 - p)}{k}$

.....

(3)