

Expanding single brackets

Remove the brackets by multiplying:

a) $3(x + 2)$

b) $5(4 - x)$

c) $-2(3x - 5)$

d) $x(x + 4)$

Linear equations one unknownSolve for x :

a) $17 - x = 9$

e) $2x + 3 = 1 + x$

b) $4x = 34$

f) $5x + 2 = 16 + x$

c) $3x + 7 = 22$

g) $18 - 7x = 31 - 9x$

d) $19 - 2x = 26$

Simultaneous equationsFind values for x and y that satisfy:

a) $x + y = 21$

$x - y = 9$

b) $2x + y = 14$

$x - y = -5$

c) $4x + 3y = 23$

$3x - 2y = -4$

SubstitutionLet $a = 4$, $b = -1$, $c = 3$, $d = -2$

Evaluate:

a) $a + b + c$

d) $ad + bc$

b) $d + 3b$

e) $\frac{abc}{d}$

c) b^2

Product of binomials

Expand and simplify:

a) $(x + 7)(x + 5)$

b) $(x - 4)(x - 1)$

c) $(2x + 1)(3x - 1)$

d) $(3x + 2)^2$

e) $(x + 3)(x - 1)(x + 2)$

Simplifying expressions

Simplify:

a) $x + x + x + x$

b) $5y - 8y + 4y$

c) $2a + 3b + 4c$

d) $28xy - 4y$

e) $4a + 3b - 5c$

Inequalities

a) Write the inequality that is described by the number line:



b) Find the set of integers satisfying the inequality:

$-3 \leq x < 2$

c) Solve the inequality:

$3x - 4 > 11$

d) Solve the inequality:

$1 - 2x - 3 < 11$

e) Solve the inequality:

$2x + 7 > 5$

Now represent your solution on the number line:

**Changing the subject**a) Given $v = a + w$ make a the subjectb) Given $E = wgh$ make h the subject.c) Given $P = I^2 R$ make I the subject.**Factorising quadratics**

Factorise as a product of binomials:

a) $x^2 - 4x + 5$

b) $x^2 - 7x + 12$

c) $x^2 - 25$

Solving quadratic equationsSolve for x :

a) $x^2 - 5x + 7 = 0$

b) $x^2 + x - 6 = 0$

Factorising

Fully factorise:

a) $4x + 20$

c) $24 - 14y$

b) $6x + 9$

d) $4ab + 6ac$

Maths For Practice And Revision

Paul Hollin



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web perception is very important in understanding the human behaviour because every person perceives the world and approaches the life problems differently whatever we

perceptions in organisations organisational behaviour study - Dec 04 2022

web perception is the organization identification and interpretation of sensory information to represent and understand the environment all perception involves signals in the

organizational behavior wikipedia - May 29 2022

web dec 2 2017 this contains the notes on perception in organisation behavior it covers details about following points 1 introduction 2 nature 3 process 4 importance 5