Given $a = 3$ , $b = 5$ and $c = 6$ , find:	Given $a = 3$ , $b = 5$ and $c = 6$ , find:
1. 2a+b	5. 2a+b
2b - c	6b - c
3. $b^2 + 3 + c$	7. $b^2 + 3 + c$
4. $(b-c)^2 + a$	8. $(b-c)^2 + a$
Given $x = 0.5$ , $y = 1.5$ and $z = 0$ find:	Given $x = 0.5$ , $y = 1.5$ and $z = 0$ find:
1. 3x	6. 3x
2. y – x	7. y – x
3. z(x+y)	8. z(x+y)
4. $3z^2 - 3x$	9. $3z^2 - 3x$
5. $(x + y + z)^2 - 2x$	$10.  (x + y + z)^2 - 2x$
Give $h = -2$ , $j = -1$ and $k = \frac{1}{2}$ find:	Give $h = -2$ , $j = -1$ and $k = \frac{1}{2}$ find:
1. k <sup>2</sup> 2. hi	5. k²
, J	6. hj 7. h – i + k
3. $h - j + k$ 4. $(j - h)^2 + 4k$	7. $h - j + k$ 8. $(j - h)^2 + 4k$
Given $a = 2$ , $b = -2$ and $c = -1$ find:	Given $a = 2$ , $b = -2$ and $c = -1$ find:
1. abc	4. abc
2. $a+b$	5.  a+b
c	c
3. 1	6. 1
2ab	2ab
Bob cleans windows. He charges a £3 call	Bob cleans windows. He charges a £3 call
our fee and £2 per window. (a)Write a	our fee and £2 per window. (a)Write a
formula for the cost of having your	formula for the cost of having your
windows cleaned (use C for the cost)	windows cleaned (use C for the cost)
(b) find the cost of having 5 windows	(b) find the cost of having 5 windows
cleaned (c) find the cost of having 7	cleaned (c) find the cost of having 7
windows cleaned (d) find the number of windows cleaned if the bill was £37	windows cleaned (d) find the number of windows cleaned if the bill was £37
Sam drives a taxi. Her fixed fee at the	Sam drives a taxi. Her fixed fee at the
beginning of a journey is £5 and then £1	beginning of a journey is £5 and then £1
per mile afterwards. (a)Set up a formula to	per mile afterwards. (a)Set up a formula to
find the cost of a journey.	find the cost of a journey.
(b) Find the cost of a journey of 10 miles	(b) Find the cost of a journey of 10 miles
(c) Find the number of miles travelled if	(c) Find the cost of a journey of 10 miles
the bill was £38	the bill was £38
A mobile phone tariff costs £10 per month	A mobile phone tariff costs £10 per month
for line rental and 10p per text. The tariff	for line rental and 10p per text. The tariff
has free voice calls (a) Write a formula for	has free voice calls (a) Write a formula for
the monthly cost of a phone bill (be	the monthly cost of a phone bill (be
careful)	careful)
(b) Find the cost of the monthly bill if 100	(b) Find the cost of the monthly bill if 100
texts are made in a month.	texts are made in a month.
(c) Find the cost of the bill for 2 months if	(c) Find the cost of the bill for 2 months if
only voice calls are made.	only voice calls are made.
(d) Find the number of texts made if the	(d) Find the number of texts made if the
bill was £13.10 for one month.	bill was £13.10 for one month.
Jack is saving for his holidays. Each week	Jack is saving for his holidays. Each week
his mum gives him £4, his dad gives him £3 and he puts £2 of his own money aside	his mum gives him £4, his dad gives him £3 and he puts £2 of his own money aside
each day. (a) Write a formula to find his	each day. (a) Write a formula to find his
weekly savings (use S for savings)	weekly savings (use S for savings)
(b) Find out how much he has saved after	(b) Find out how much he has saved after
4 weeks.	4 weeks.
(c) Find out how many weeks it will take	(c) Find out how many weeks it will take
to save £189.	to save £189.
(d) Find out the minimum number of	(d) Find out the minimum number of
weeks he would have to save for to top	weeks he would have to save for to top
£57.	£57.

Given $a = 3$ , $b = 5$ and $c = 6$ , find:		
9. 2a+b		
10. $-b-c$		
11. $b^2 + 3 + c$		
12. $(b-c)^2 + a$		
Given $x = 0.5$ , $y = 1.5$ and $z = 0$ find:		
11. 3x		
12. y – x		
13. z(x+y) 14. 3z <sup>2</sup> - 3x		
15. $(x + y + z)^2 - 2x$ Give $h = -2$ , $j = -1$ and $k = \frac{1}{2}$ find:		
9. $k^2$		
10. hj		
11. $h-j+k$		
12. $(j-h)^2 + 4k$		
Given $a = 2$ , $b = -2$ and $c = -1$ find:		
7. abc		
8. a+b		
<del></del>		
<i>c</i>		
9. 1		
2ab		
Bob cleans windows. He charges a £3 call		
our fee and £2 per window. (a)Write a		
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windows cleaned (use C for the cost)		
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cleaned (c) find the cost of having 7		
windows cleaned (d) find the number of		
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Sam drives a taxi. Her fixed fee at the		
beginning of a journey is £5 and then £1		
per mile afterwards. (a)Set up a formula to		
find the cost of a journey.		
(b) Find the cost of a journey of 10 miles		
(c) Find the number of miles travelled if the bill was £38		
A mobile phone tariff costs £10 per month		
for line rental and 10p per text. The tariff		
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the monthly cost of a phone bill (be		
careful)		
(b) Find the cost of the monthly bill if 100		
texts are made in a month.		
(c) Find the cost of the bill for 2 months if		
only voice calls are made.		
(d) Find the number of texts made if the		
bill was £13.10 for one month.		
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(c) Find out how many weeks it will take		
to save £189.		
(d) Find out the minimum number of		
weeks he would have to save for to top		
£57.		

Given $a = 3$ , $b = 5$ and $c = 6$ , find:			
13. 2a+b			
14. $-b-c$			
15. $b^2 + 3 + c$			
16. $(b-c)^2 + a$			
Given $x = 0.5$ , $y = 1.5$ and $z = 0$ find:			
16. 3x			
17. y – x			
18. z(x+y)			
19. $3z^2 - 3x$			
$\frac{20. (x + y + z)^2 - 2x}{6.5 + 2.5 + 1.$			
Give $h = -2$ , $j = -1$ and $k = \frac{1}{2}$ find: 13. $k^2$			
13. k² 14. hj			
15. $h - j + k$			
16. $(j-h)^2 + 4k$			
Given $a = 2$ , $b = -2$ and $c = -1$ find:			
10. abc			
11. $a+b$			
<i>c</i>			
12. $\frac{1}{2}$			
2 <i>ab</i>			
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windows cleaned (use C for the cost)			
(b) find the cost of having 5 windows			
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(b) Find the cost of a journey of 10 miles			
(c) Find the number of miles travelled if			
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(d) Find the number of texts made if the			
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weeks he would have to save for to top			
£57.			
	ŭ.		