

Given $a = 3$, $b = 5$ and $c = 6$, find: 1. $2a+b$ 2. $-b - c$ 3. $b^2 + 3 + c$ 4. $(b-c)^2 + a$	
Given $x = 0.5$, $y = 1.5$ and $z = 0$ find: 1. $3x$ 2. $y - x$ 3. $z(x+y)$ 4. $3z^2 - 3x$ 5. $(x + y + z)^2 - 2x$	
Give $h = -2$, $j = -1$ and $k = \frac{1}{2}$ find: 1. k^2 2. hj 3. $h - j + k$ 4. $(j - h)^2 + 4k$	
Given $a = 2$, $b = -2$ and $c = -1$ find: 1. abc 2. $\frac{a+b}{c}$ 3. $\frac{1}{2ab}$	
Bob cleans windows. He charges a £3 call our fee and £2 per window. (a)Write a formula for the cost of having your windows cleaned (use C for the cost) (b) find the cost of having 5 windows cleaned (c) find the cost of having 7 windows cleaned (d) find the number of windows cleaned if the bill was £37	
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 has free voice calls (a) Write a formula for 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.	
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 each day . (a) Write a formula to find his weekly savings (use S for savings) (b) Find out how much he has saved after 4 weeks. (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.	

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Given $x = 0.5$, $y = 1.5$ and $z = 0$ find: 6. $3x$ 7. $y - x$ 8. $z(x+y)$ 9. $3z^2 - 3x$ 10. $(x + y + z)^2 - 2x$	
Give $h = -2$, $j = -1$ and $k = \frac{1}{2}$ find: 5. k^2 6. hj 7. $h - j + k$ 8. $(j - h)^2 + 4k$	
Given $a = 2$, $b = -2$ and $c = -1$ find: 4. abc 5. $\frac{a+b}{c}$ 6. $\frac{1}{2ab}$	
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Given $x = 0.5$, $y = 1.5$ and $z = 0$ find: 11. $3x$ 12. $y - x$ 13. $z(x+y)$ 14. $3z^2 - 3x$ 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. $\frac{a+b}{c}$ 9. $\frac{1}{2ab}$	
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Given $x = 0.5$, $y = 1.5$ and $z = 0$ find: 16. $3x$ 17. $y - x$ 18. $z(x+y)$ 19. $3z^2 - 3x$ 20. $(x + y + z)^2 - 2x$	
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