



Forming a Quadratic Equations

Name _____

Score _____

RQ:12

Form the quadratic equation $ax^2 + bx + c = 0$ using the value of a, b and c respectively.

Q. No	a	b	c	Quadratic Equations
1)	1	-2	-3	
2)	-3	-5	-8	
3)	2	0	-1	
4)	1	4	6	

Form the quadratic equation for the given sum and product of the roots.

Q. No	Sum of the roots	Product of the roots	Quadratic Equations
1)	$-\frac{1}{6}$	1	
2)	-3	0	
3)	0	$-\frac{9}{4}$	
4)	10	7	



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Answer key

RQ:12

Form the quadratic equation $ax^2 + bx + c = 0$ using the value of a, b and c respectively.

Q. No	a	b	c	Quadratic Equations
1)	1	-2	-3	$x^2 - 2x - 3 = 0$
2)	-3	-5	-8	$-3x^2 - 5x - 8 = 0$ or $3x^2 + 5x + 8 = 0$
3)	2	0	-1	$2x^2 - 1 = 0$
4)	1	4	6	$x^2 + 4x + 6 = 0$

Form the quadratic equation for the given sum and product of the roots.

Q. No	Sum of the roots	Product of the roots	Quadratic Equations
1)	$-\frac{1}{6}$	1	$6x^2 + x + 6 = 0$
2)	-3	0	$x^2 + 3x = 0$
3)	0	$-\frac{9}{4}$	$4x^2 - 9 = 0$
4)	10	7	$x^2 - 10x + 7 = 0$