



# Forming a Quadratic Equations

Name \_\_\_\_\_

Score \_\_\_\_\_

RQ:10

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)	2	4	7	
2)	3	-5	1	
3)	1	8	-9	
4)	-4	0	-16	

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)	$\frac{1}{4}$	$\frac{3}{4}$	
2)	0	-8	
3)	-2	-6	
4)	$-\frac{1}{3}$	0	



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## Answer key

RQ:10

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)	2	4	7	$2x^2 + 4x + 7 = 0$
2)	3	-5	1	$3x^2 - 5x + 1 = 0$
3)	1	8	-9	$x^2 + 8x - 9 = 0$
4)	-4	0	-16	$-4x^2 - 16 = 0$ or $4x^2 + 16 = 0$

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)	$\frac{1}{4}$	$\frac{3}{4}$	$4x^2 - x + 3 = 0$
2)	0	-8	$x^2 - 8 = 0$
3)	-2	-6	$x^2 + 2x - 6 = 0$
4)	$-\frac{1}{3}$	0	$3x^2 + x = 0$