Forming a Quadratic Equations

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)	4	9	−8	
2)	1	−3	−2	
3)	−3	−1	−5	
4)	6	−7	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)	0	7	
2)	2	$\dfrac{1}{2}$	
3)	$-\dfrac{5}{3}$	0	
4)	1	−6	

Forming a Quadratic Equations

Answer key

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)	4	9	–8	$4x^2 + 9x - 8 = 0$
2)	1	–3	–2	$x^2 - 3x - 2 = 0$
3)	–3	–1	–5	$-3x^2 - x - 5 = 0$ or $3x^2 + x + 5 = 0$
4)	6	–7	0	$6x^2 - 7x = 0$

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)	0	7	$x^2 + 7 = 0$
2)	2	$\dfrac{1}{2}$	$2x^2 - 4x + 1 = 0$
3)	$-\dfrac{5}{3}$	0	$3x^2 + 5x = 0$
4)	1	–6	$x^2 - x - 6 = 0$