

Quadratic Equation - MCQ

1) Identify the roots of the quadratic equation $x^2 - 4x - 12 = 0$.

i) $x = -2 ; x = 6$

ii) $x = -3 ; x = 8$

iii) $x = 2 ; x = 6$

iv) $x = 7 ; x = -5$

2) Which equation has the roots $s = 2$ and $s = -3$?

i) $s^2 + 5s - 6 = 0$

ii) $s^2 + s - 6 = 0$

iii) $s^2 + 5s + 6 = 0$

iv) $s^2 + s + 6 = 0$

3) Identify the product of the roots of the equation $x^2 - 10x + 25 = 0$.

i) 25

iv) 20

4) If 9 is one of the roots of the equation $x^2 - 18x + p = 0$, find the other root?

i) $p = 5$

iv) $p = 2$

5) Identify the sum of the roots of the equation $x^2 - 10x + 25 = 0$.

i) 40

iv) -40

6) Which equation has the roots $y = 3$ and $y = 3$?

i) $y^2 + 6y - 18 = 0$

iv) $y^2 - 4y + 9 = 0$

7) Which equation is the standard form of $7q(q + 1) + 3(q + 1) = 0$?

i) $7q^2 + 10q + 3 = 0$

ii) $7q^2 + 14q + 3 = 0$

iii) $7q^2 + 21 = 0$

iv) $7q^2 + 9q + 1 = 0$

8) Which quadratic equation has the roots $n = \frac{1}{2}$ and $n = \frac{3}{4}$?

i) $3n^2 + 6n - 18 = 0$

ii) $5n^2 - 4n + 5 = 0$

iii) $8n^2 - 10n + 3 = 0$

iv) $7n^2 + 5n - 9 = 0$

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Answer key**Quadratic Equation - MCQ**

Sheet 1

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iii) $x = 2 ; x = 6$

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i) $s^2 + 5s - 6 = 0$

ii) $s^2 + s - 6 = 0$

iii) $s^2 + 5s + 6 = 0$

iv) $s^2 + s + 6 = 0$

3) Identify the product of the roots of the equation $x^2 - 10x + 25 = 0$.

i) 25

PREVIEW

iv) 20

4) If 9 is one of the roots of the equation $x^2 - 10x + p = 0$, find the other root?

i) $p = 5$

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the other root?

iv) $p = 2$

5) Identify the sum of the roots of the equation $x^2 - 10x + 25 = 0$.

i) 40

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iv) -40

6) Which equation has the roots $y = 2$ and $y = 3$?

i) $y^2 + 6y - 18 = 0$

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iv) $y^2 - 4y + 9 = 0$

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