

CLASS 10 PRE-BOARDS SPECIAL

Chapter 4. Quadratic Equations

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1	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations
	Show that $x=-3$ is solution of $x^2+6x+9=0$
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2	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations
	Find the discriminant of the quadratic equation $3\sqrt{3}x^2+10x+\sqrt{3}=0$.
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3	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations
	Solve the following equation for x: $9x^2-9(p+q)x+\left(2p^2+5pq+2q^2\right)=0$
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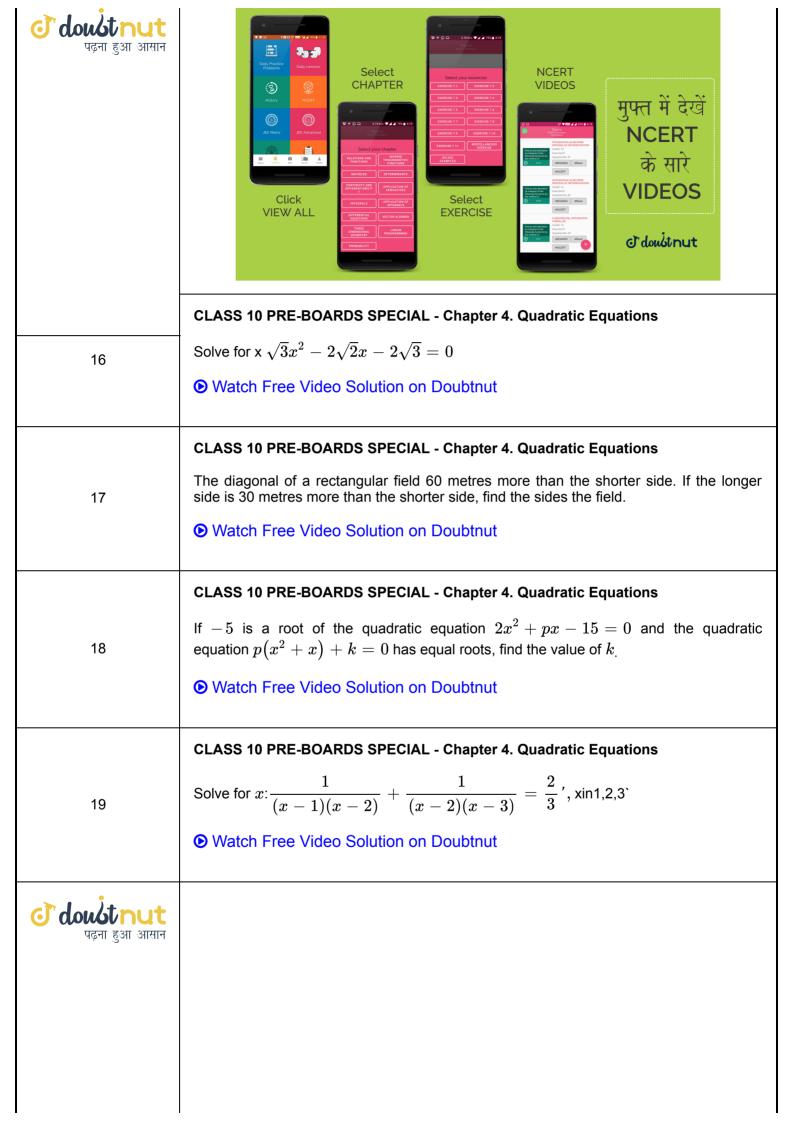
CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations

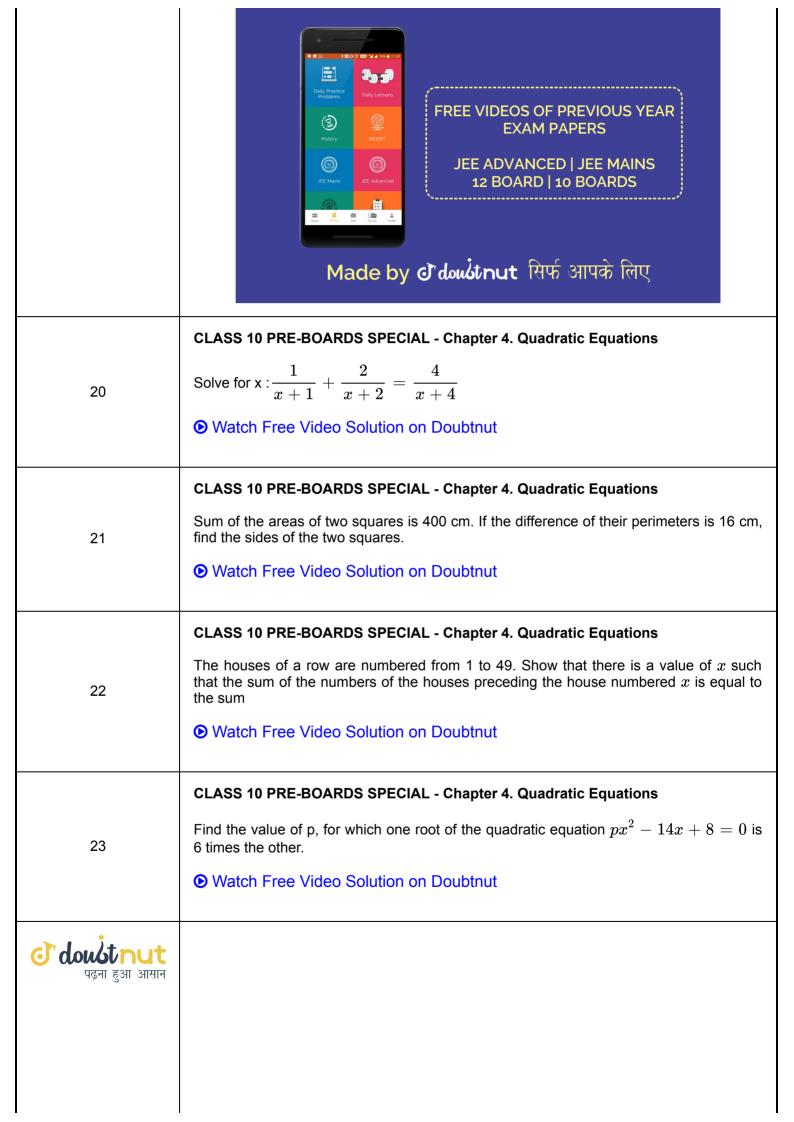
Three consecutive positive integers are such that the sum of the square of the first and the product of other two is 46, find the integers.

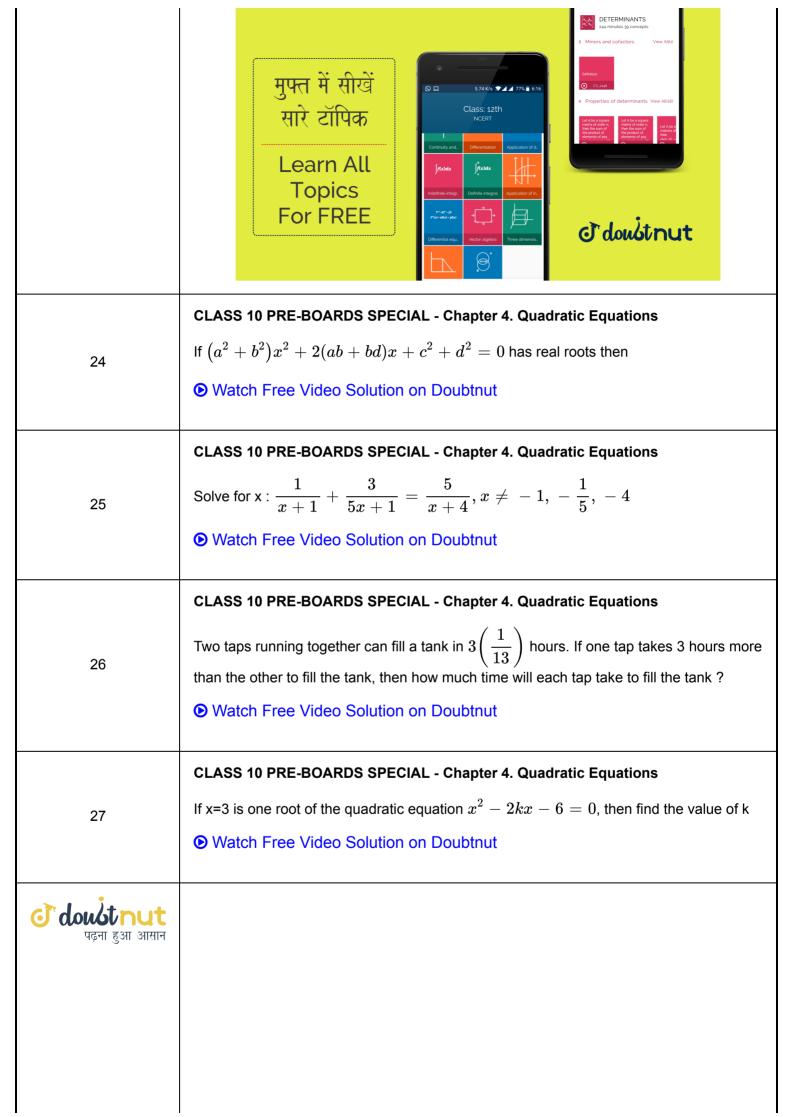
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5	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations If both roots of the equation $x^2-(m+1)x+(m+4)=0$ are negative then m equals • Watch Free Video Solution on Doubtnut
6	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations Find the value of m so that the quadratic equation $mx(x-7)+49=0$ has two equal roots. ① Watch Free Video Solution on Doubtnut
7	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations . Find the roots of the following quadratic equation : $x^2-3\sqrt{5}x+10=0$
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8	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations
9	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations Find the value of p for which the roots of the equation $px(x-2)+6=0$, are equal. • Watch Free Video Solution on Doubtnut
10	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations Solve the following quadratic equation for x , $x^2-4ax-b^2+4a^2=0$

11	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations Solve the following quadratic equation for x , $x^2-4ax-b^2+4a^2=0$ • Watch Free Video Solution on Doubtnut
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12	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations Solve the following quadratic equation for x : $4\sqrt{3}x^2+5x-2\sqrt{3}=0$ • Watch Free Video Solution on Doubtnut
13	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations Solve for: $\frac{1}{2a+b+2x} = \frac{1}{2a} + \frac{1}{b} + \frac{1}{2x}$ • Watch Free Video Solution on Doubtnut
14	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations If the quadratic equation $px^2-2\sqrt{5}+15=0$ has two equal roots, then find value of p. • Watch Free Video Solution on Doubtnut
15	CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations $4x^2+4bx-\left(a^2-b^2\right)=0$ • Watch Free Video Solution on Doubtnut







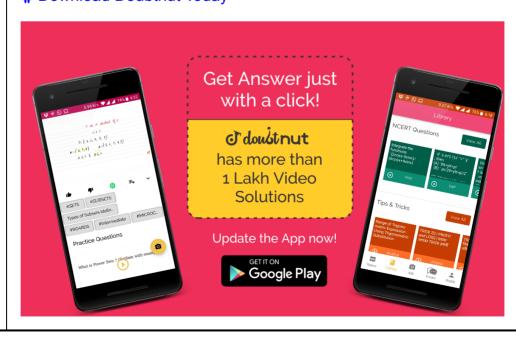


CLASS 10 PRE-BOARDS SPECIAL - Chapter 4. Quadratic Equations

While boarding an aeroplane, a passenger got hurt. The pilot showing promptness and concern, made arrangements to hospitalise the injured and so the plane started late 30 minutes to reach the destination, 1500 km away in time, the pilot increased the speed by 100 km/hr. Find the original speed/hour of the plane.

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