

Jan 9-12:08 PM

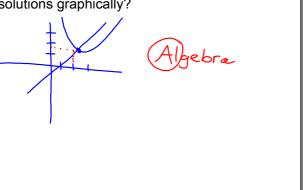
5-3

Solving a system of linear and quadratic equations algebraically

Objective: I can solve a system of linear and/or quadratic equations algebraically

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How can we SOLVE if we don't get <u>integer</u> solutions graphically?



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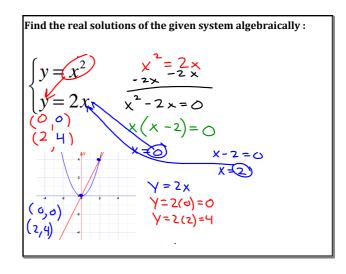
When solving a system of linear equations algebraically, what methods can we use to solve?

Substitution Elimination

Jan 13-11:16 AM

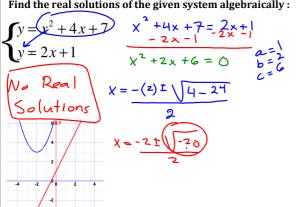
What are all the different ways we know how to SOLVE a QUADRATIC equation?

Factoring Quadratic Formula



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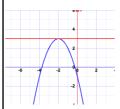
Find the real solutions of the given system algebraically :



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Find the real solutions of the given system algebraically:

$$\begin{cases} y = -(x+2)^2 + 3 \\ y = 3 \end{cases}$$



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Find the real solutions of the given system algebraically:

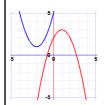
$$\begin{cases} y = 6x^2 + 5x \\ y = 4x + 2 \end{cases}$$



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Find the real solutions of the given system algebraically:

$$\begin{cases} y = x^2 + 4x + 5 \\ y = -x^2 + 2x + 2 \end{cases}$$



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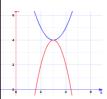
Find the real solutions of the given system algebraically:

$$\begin{cases} y = x^2 + 2 & \text{for all one of the given system algebraically} \\ y = -x^2 + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^2} + 2x + 2 & \text{for all one of the given system algebraically} \\ \frac{1}{2x^$$



Find the real solutions of the given system algebraically:

$$\begin{cases} y = (x-3)^2 + 4 \\ y = -2(x-3)^2 + 4 \end{cases}$$



Jan 13-11:17 AM Jan 13-11:17 AM Find the real solutions of the given system algebraically:

$$\begin{cases} y = 2x^2 - 5x - 1\\ y = x^2 - 3x + 1 \end{cases}$$



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