What THE QUADRATIC FORMULA LEARNING EXPERIENCE

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PERIOD: 1

G-Doc draft with 3 best online resources on the quadratic formula and why. One secondary and two primary. Document must include all web images and videos you intend to use properly credited. Document must justify reliability of the sources chosen and give credit to the sources. Due Oct 18, share doc by 11:00 pm.

OPEN RESOURCE (primary)

Paste your link here. https://en.wikipedia.org/wiki/Quadratic_formula	Has this page been reviewed? When? The last time was October 14,2016 but this page has been reviewed a lot of different times
When was this page last updated? October 14, 2016	Track down to the references to this page. - Rich, Barnett; Schmidt, Philip (2004), *Schaum's Outline of Theory and Problems of Elementary Algebra*, The McGraw–Hill Companies, ISBN 0-07-141083-X, Chapter 13 §4.4, p. 291 **Jump up ^** Li, Xuhui. *An Investigation of Secondary School Algebra Teachers' Mathematical Knowledge for Teaching Algebraic Equation Solving*, p. 56 (ProQuest, 2007): "The quadratic formula is the most general method for solving quadratic equations and is derived from another general method: completing the square." **Jump up ^** Rockswold, Gary. *College algebra and trigonometry and precalculus*, p. 178 (Addison Wesley, 2002). These are only 3 of 26 references this page has

Who is the author of this page? HBLovecraft	Who was the last person to contribute (give name and occupation)? HBLovecraft it was on October 14,2016 No other detail about the user

Why do you consider this a valuable resource? I consider this as a valuable source because this source has been reviewed by thousands of people and I look at the revision history and I see people making really small changes which means that they are all on the same page with the same idea and they are just editing so this means that it is the same and it is valuable and reliable.

Citation source #1: "Quadratic Formula." *Wikipedia*. HBLovecraft, 24 June 2002. Web. 14 Oct. 2016.

TWO DATABASE RESOURCES (secondary)

Title and Link to resource #2 Using the quadratic formula https://www.khanacademy.org/math/algebra/quadratics/solving-quadratics-using-the-quadratic-formula/v/quadratic-formula-1	Title and Link to resource #3 Understanding the quadratic formula https://www.khanacademy.org/math/algebra/quadratics/solving-quadratics-using-the-quadratic-formula/a/quadratic-formula-explained-article
Why do you consider resource #2 a valuable resource? Because it is posted from a very reliable site that is based around math called khan academy. It has a very high reputation for explaining certain subjects revolving math and is trustful for students and teachers. The page has also been reviewed by many people and has comments for users around the globe. Something that makes the website *Khan Academy* very good for students that like	Why do you consider resource #3 a valuable resource? This is a valuable resource because it explains very good the quadratic formula with pictures, examples and videos. Also at then end it has questions and answers and tips. Since this website is by an organization because it has .org it is reliable and trustworthy.

to learn a new math subjects in a not complicated way, is that if you did not understand the first explanation of the subject there is many other comments that take another approach and you could try to understand it from them. There is also many videos that are brought by teachers that have degrees and are certified to teach mathematical content.	
Citation source #2 Khan, Sal. "Using the Quadratic Formula." (n.d.): n. pag. *Khan Academy*. Web. 18 Oct. 2016.	**Citation source #3** Khan Academy. "Understanding the Quadratic Formula." *Khan Academy*. N.p., n.d. Web. 18 Oct. 2016.

IMAGES (at least two)

Image #1	Citation for Image #1 Presentation Name." *Emaze Presentations*. N.p., n.d. Web. 18 Oct. 2016.
Quadratic Formula $$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$ for solving … $ax^2 + bx + c = 0$	Why do you consider image #1 a valuable resource? Because it comes from a very recognizable website called emaze and the image is very good as it displays the formula and its purpose.

Image #2	Citation for Image #2
	Mphoweh, Jude. "Solving Trinomial Equations Using The Quadratic Formula." *Solving Trinomial Equations Using The Quadratic Formula*. N.p., 2016. Web. 18 Oct. 2016.
Quadratic Equation Formula Quadratic equations usually take the form $$ax^2 + bx + c = 0$$ $$x = \frac{-b \pm \sqrt{(b^2 - 4ac)}}{2a}$$ Example: $3x^2 - 5x - 1 = 0$ Here, a = 3, b = -5 and c = 1 Therefore, $$x = \frac{5 \pm \sqrt{25 + 12}}{6}$$ $$x = \frac{5 \pm 6.083}{6} \quad \boxed{x = 1.847 \text{ and } -0.181}$$	Why do you consider image #2 a valuable resource? I consider this a valuable image because it gives you the original formula and the modified one to find x. Next it gives you can example of how to use it with regular numbers and a solution.
Image #3	Citation for Image #3
	Why do you consider image #3 a valuable resource?

VIDEOS: at least two, and one of them is yours (you can link this one on Oct 21)

Video #1 https://www.youtube.com/watch?time_continue=1&v=iulx0z1lz8M	Citation for video #1 han Academy. "Example 1: Using the Quadratic Formula	Quadratic Equations	lgebra I	Khan Academy." *YouTube*. ouTube, 24 June 2014. Web. 18 Oct. 2016.
	Why do you consider video #1 a valuable

	resource? It is a good video and a valuable resource because it comes from khan academy that is a very highly respected online organization that helps us understand complicated math subjects. It does not last long, (about 5 minutes) and it helps you understand it with no trouble whatsoever.
Video #2	Citation for video #2
	Why do you consider video #2 a valuable resource?
Video #3	Citation for Video #3
	Why do you consider video #3 a valuable resource?

Real life examples of when we use the quadratic formula

https://www.mathsisfun.com/algebra/quadratic-equation-real-world.html

Our video

Euclid Biography - Childhood, Life Achievements & Timeline. (n.d.). Retrieved October 25, 2016, from http://www.thefamouspeople.com/profiles/euclid-436.php

E, B. Logg, R. *Diophantus of Alexandria Pronunciation*. Digital image. *Pronunciation of Mathematicians' Names*. N.p., n.d. Web.

Photo of Diophantus