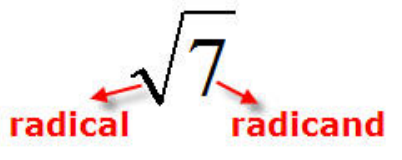
Quadratic Formula

- used to find the roots of a quadratic equation
- derived from isolating x in $ax^2 + bx + c = 0$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

http://www.youtube.com/watch?v=43JvqjHtFXC

- can be used to solve any quadratic function, even those that are not factorable
- if the radicand simplifies to a perfect square, the quadratic is factorable
- if the radicand simplifies to a negative, there is no solution
- if the radicand simplifies to 0, there is only 1 solution



Attachments

FM11-7s1.gsp

7s2e2 final.mp4

fm7s2-p8.tns

FM11-7s3.gsp

fm7s3-p1.tns

FM11-7s3-2.gsp

fm7s3-p2.tns

fm7s3-p8.tns

FM11-7s4.gsp

7s4e3 final.mp4

fm7s4-p11.tns

7s5e2 finalt.mp4