Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_

Class/Home worksheet: Alg2H

Quadratic equation: Discriminant and solutions.

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| An equation of the type $$ax^{2}+bx+c=0$$ where a,b, and c are constants, and $a\ne 0$, is called **standard form of the quadratic equation.** $$x\_{1,2}=\frac{-b\pm \sqrt{ }}{2a}$$Discriminant: |

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| Properties of the solution$$ax^{2}+bx+c=0$$$$x\_{1,2}=\frac{-b\pm \sqrt{ }}{2a}$$ |
| Sum of solutions:Product of solutions: |
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