CCSS Advanced Algebra 4 Quadratic Formula Check In Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Use the Quadratic Formula $ax^{2}+bx+c=0 ⇒x=\frac{-b+\sqrt{b^{2}-4ac}}{2a} or x=\frac{-b-\sqrt{b^{2}-4ac}}{2a} $, to solve each equation:

* 1. $2x^{2}+7x-3=0$ b. $x^{2}=11-x$ c. $9x^{2}+6x= -1$

2. The function $f(x) =ax^{2}+24x+72$ has exactly one x-intercept. Use the Quadratic Formula to find the value of $a$.

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