

On a separate sheet of paper, solve the following quadratic equations using the quadratic formula. Find the exact answer(s) and four decimal place approximation(s).

1. $11x^2 - 9x = 1$

2. $2y = 5y^2 - 3$

3. $\frac{1}{3}x^2 - x - \frac{1}{6} = 0$

4. $(x - 2)^2 = 15x$