

Algebra Essentials and Applications Internet Activity

ME1 QuadFormula Investigations

1. Solve $2x^2 + 3x \pm 2$ by using the quadratic formula, completing the square, and factoring.

2. Which method did you find most useful for solving Exercise 1? Why?

3. Why are there two solutions to the rocket problem, but only one solution to the triangle problem? How many solutions are there for the quadratic equation that models the triangle problem?

4. Are there any quadratic equations that cannot be solved with the quadratic formula? Explain.
