

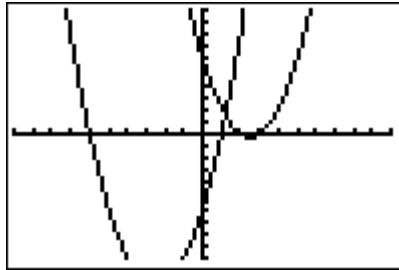
Sections 6.1 – 6.5 Factoring Trinomials

INSTRUCTOR NOTE

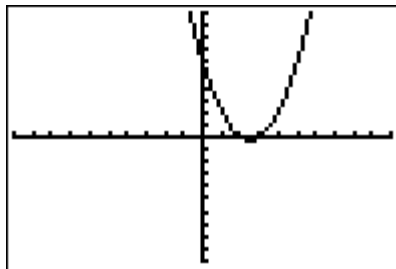
Verifying the answers to polynomial factorization is NOT a course objective. You may choose to include the topic below or not, at your discretion.

Example: Is the polynomial correctly factored? $x^2 - 5x + 6 = (x + 6)(x - 1)$?

Solution: Put the left side in the calculator as Y1, and the right side of the equation in Y2. Graph the equations in the Standard window and obtain the following graph.



No it's not! It should be $x^2 - 5x + 6 = (x - 3)(x - 2)$



INSTRUCTOR NOTE

Although this is not "proof" that the answer is correct, it at least may provide students with an idea that their solution is reasonable.