

7.4 Factored Form – Part 2

Interesting connection between factored form and what the graph will look like:

Two distinct factors

two identical factors

unfactorable

Ex 1. What's the vertex of $y = -(x-5)(x-9)$

Ex 2. What's the vertex $y = 5x(x+2)$

How would you find the y-intercept of a quadratic function in factored form?

$$y = (x-4)(x+3)$$

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Ex 3. What is the y-intercept of $y = (x+6)(x+1)$

Ex 4. What is the y-intercept of $y = 2(x+5)(x-4)$