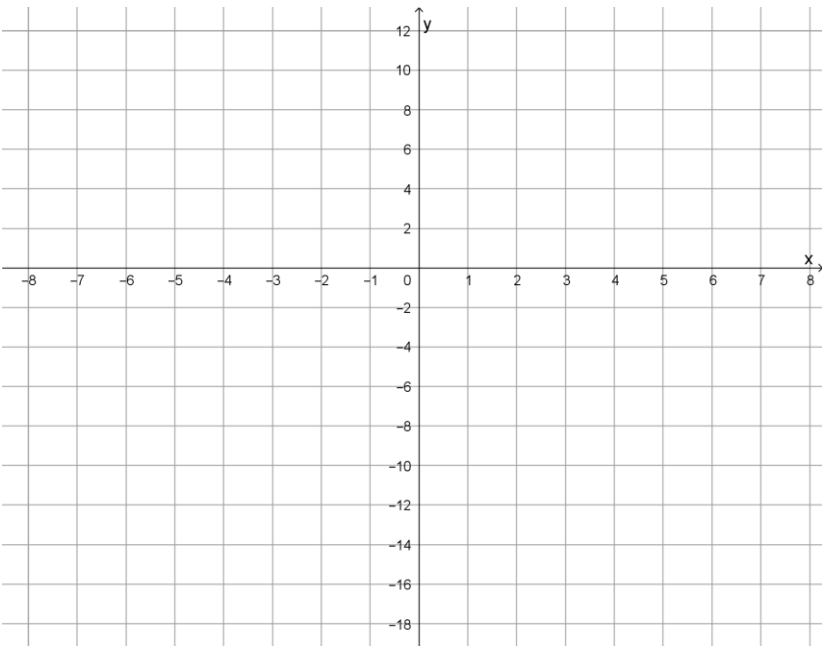
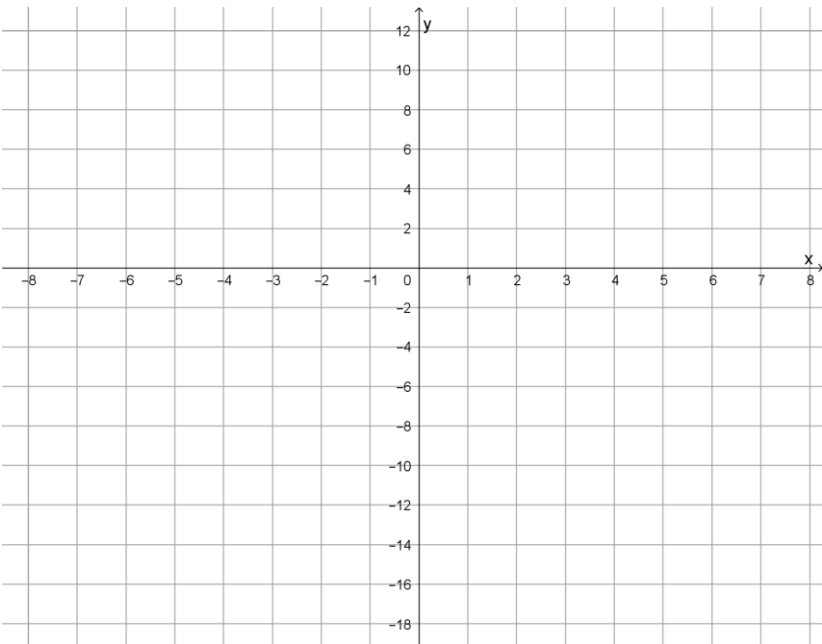


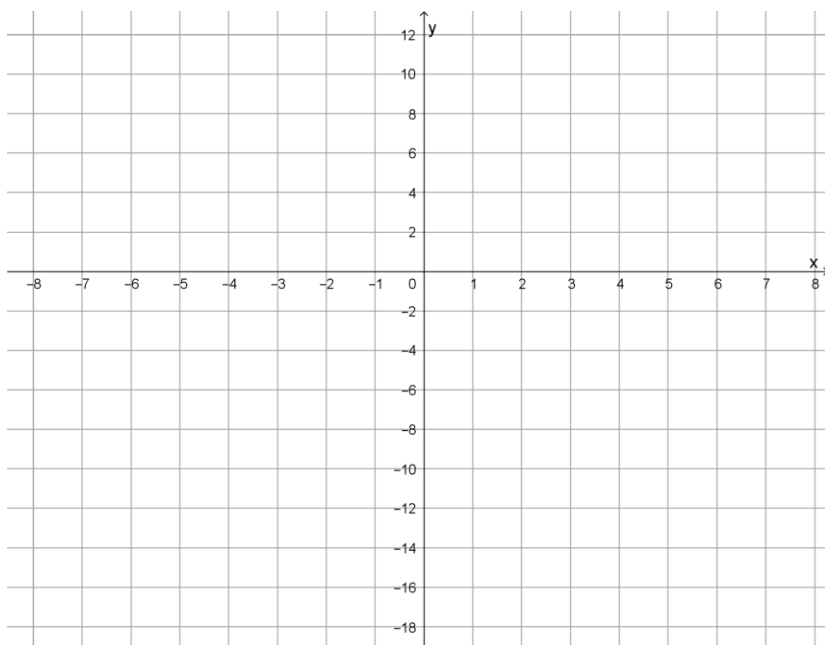
PreCalc 11 Drawing a Quadratic Function

Write each function in factored form and completed square form. Plot the x-intercepts and the y-intercept. Calculate the  $x$  and the  $y$  coordinates of the vertex. Sketch the curve.

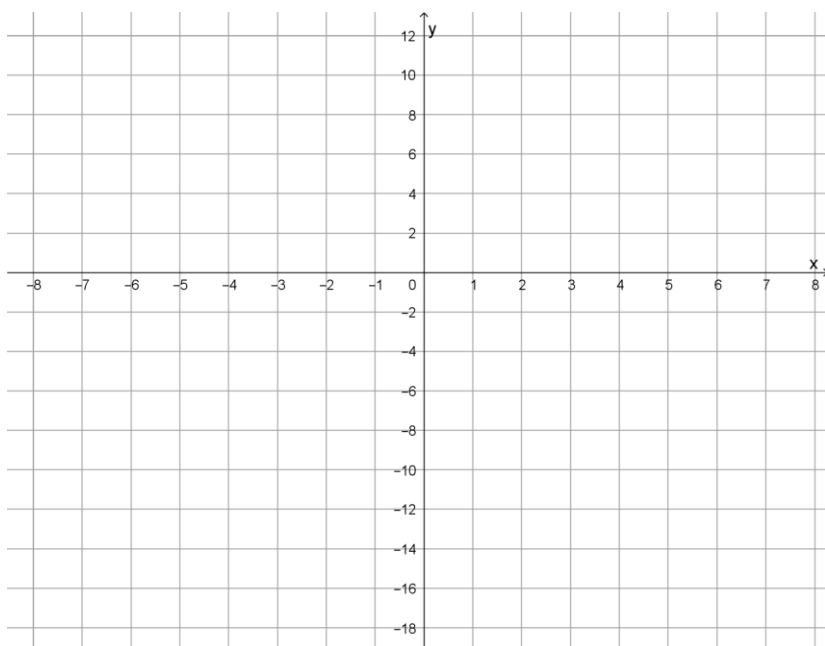
$y = x^2 + 2x - 15$	
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$y = x^2 + 6x + 5$	
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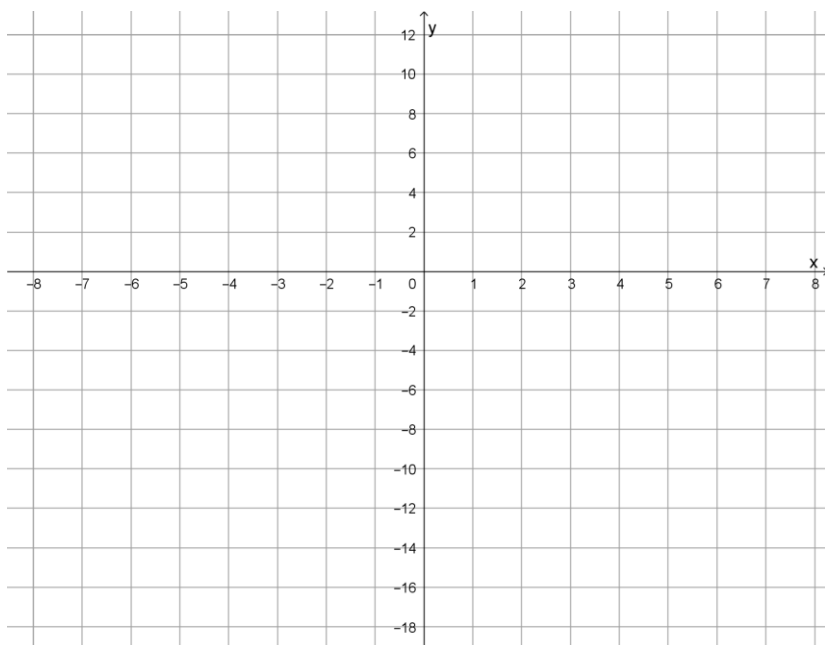
$$y = x^2 - 16$$



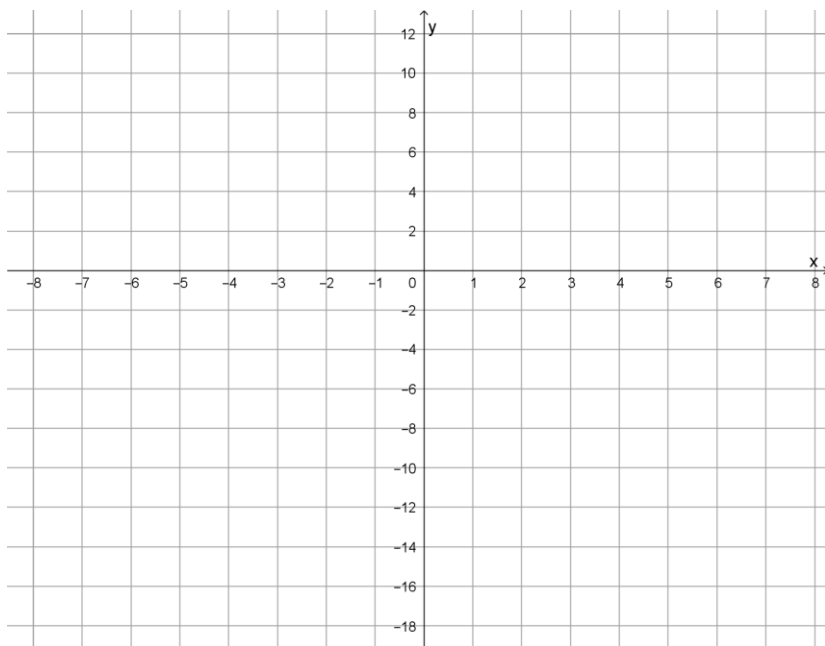
$$y = x^2 - 8x + 7$$



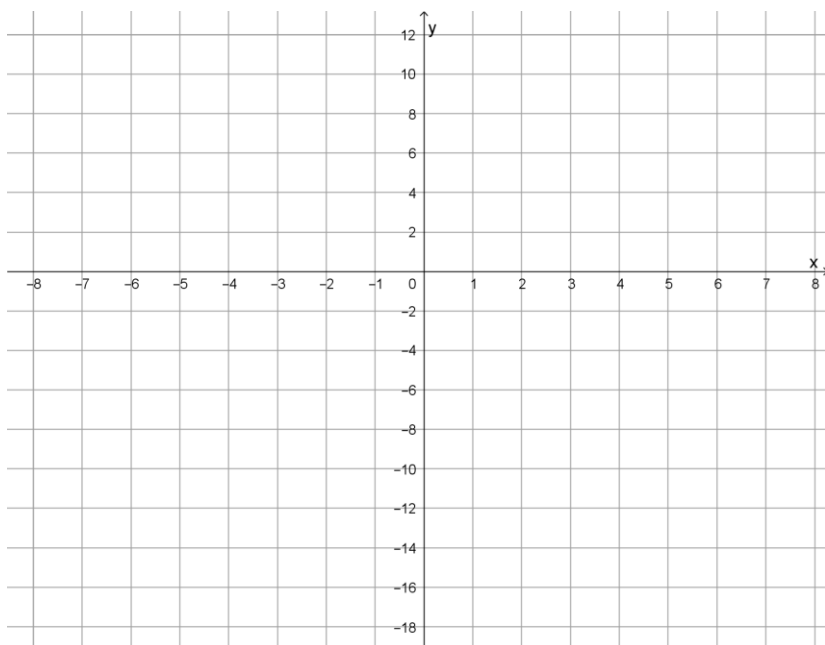
$$y = x^2 - 6x$$



$$y = x^2 + 6x$$



$$y = -x^2 + 8x - 12$$



$$y = -x^2 + 9$$

