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DATE: _____

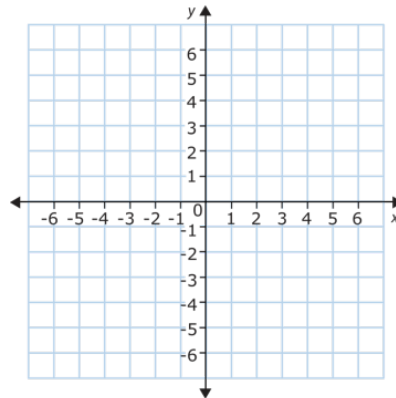
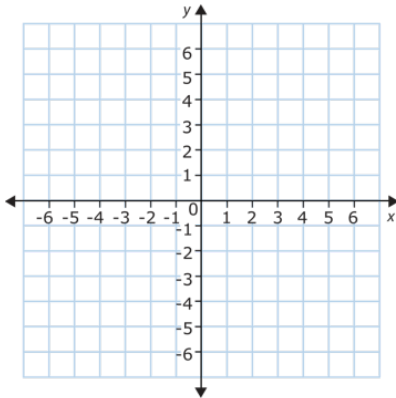
9-3 Graphing Quadratic Functions in Factored Form

Sketch the graphs of the functions. Label the x-intercepts, vertex, and axis of symmetry for each parabola.

**If the function is not already in factored form, factor it before graphing.*

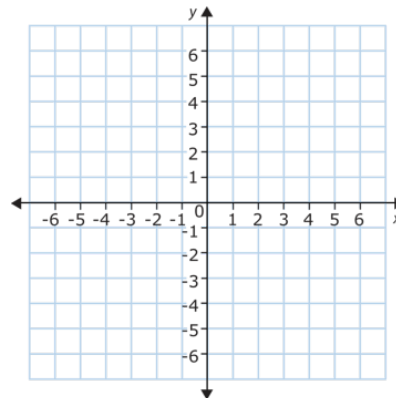
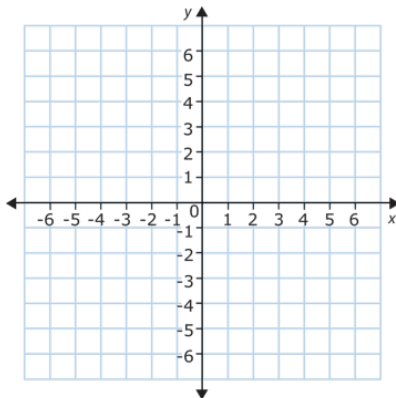
1. $y = (x + 3)(x - 1)$

2. $y = (x + 3)(x + 4)$



3. $y = (x - 4)(x - 8)$

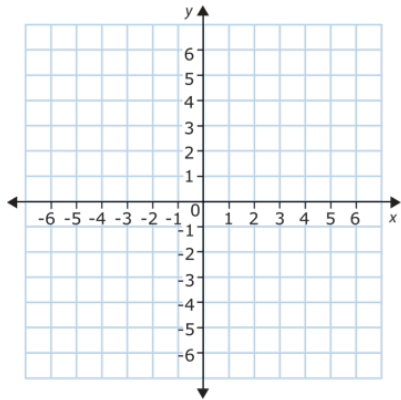
4. $y = x^2 + 5x + 6$



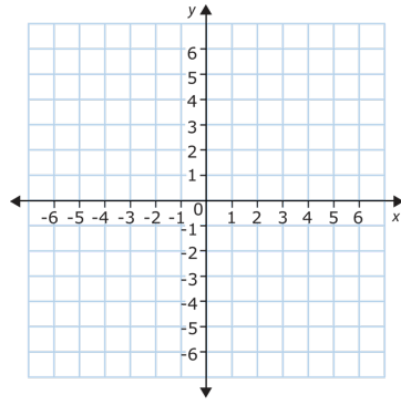
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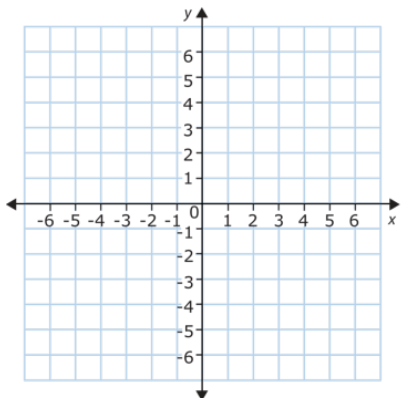
5. $y = x^2 - x - 20$



6. $y = x^2 + 6x + 8$



7. $y = x^2 - 3x + 2$



8. $y = x^2 + 18x$

