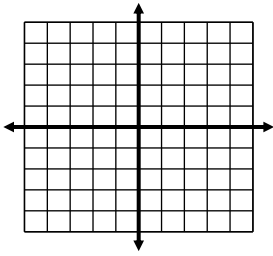


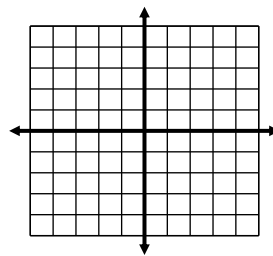
Sketching Polynomials in Factored Form

Sketch the graph of each function.

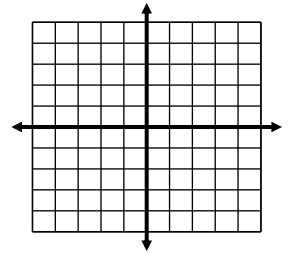
1. $y = x(x - 2)^2$



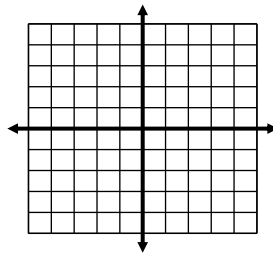
2. $y = (x + 3)^2(x - 1)^2$



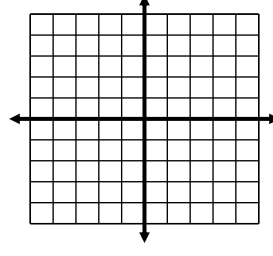
3. $y = -2x(x + 3)(x - 1)^2$



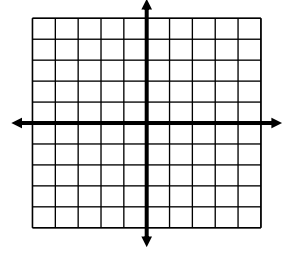
4. $y = (x + 2)(x - 3)$



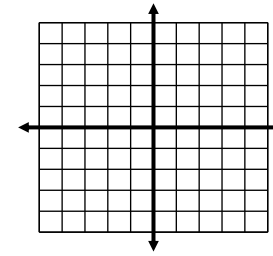
5. $y = (x + 2)^2(x - 3)^3$



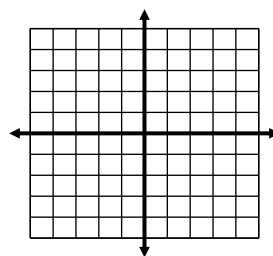
6. $y = x^2(x - 1)(x + 1)$



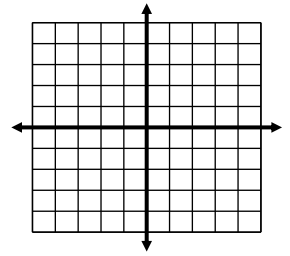
7. $y = x(x - 1)(x + 2)$



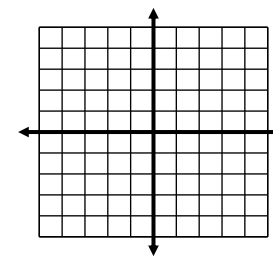
8. $y = x^2(x + 4)$



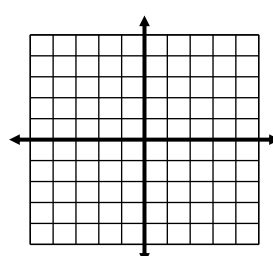
9. $y = -x(x - 3)(x + 2)^2$



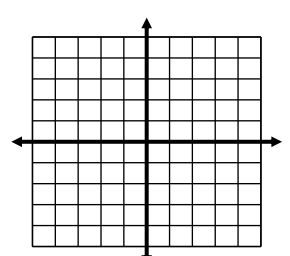
10. $y = -(x + 2)(x + 3)(x - 1)$



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

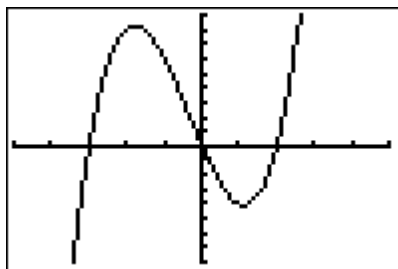


12. $y = (2x + 1)(x - 7)^3$



Write a polynomial in standard form for the curve graphed.

13.



14.

