## 5.1.04 - Writing Polynomial Functions

Find a formula for the polynomial whose graph is shown or described.





5. Degree 4; zeros at x = 1 & x = -2 & x = 4multiplicity 2; *y*-intercept of (0, -3)





6. Degree 5; double zero at x = 1; triple zero at x = 3; passes through the point (2, 15)









Date: \_\_\_\_\_ Period: \_\_\_\_\_

For each polynomial, fill-in any indicated boxes. Sketch the polynomial described **AND** write its formula in factored form.





**Function Formula:**