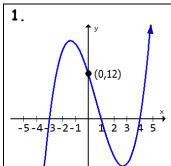
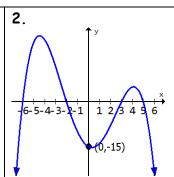
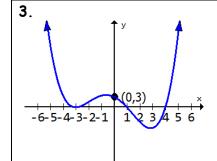
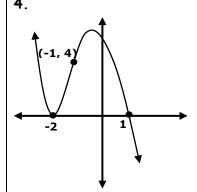
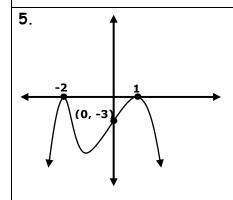
Practice: C-Level:

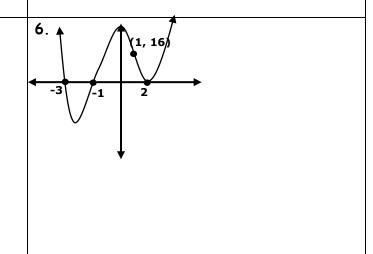




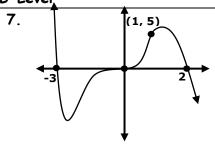








B-Level



8. A polynomial with simple roots at -3 and 0, double (multiplicity 2) root at 2, and passes through the point (3, 9).

9. A 3rd degree polynomial with single roots at -2, 1, and 3 passing through the point (2,-12)

10. A 4^{th} degree polynomial with single roots at -3 and 4 and a bouncing root at 1, passing through the point (0,18).

11. Find two exact equations of polynomials with a bouncing root at (-1,0), a crossing root at (4,0) and pass through the point (-2,-18).

Looking ahead:

Rewrite the polynomial is standard form:

$$Y = 3(x + 4)^2(x - 7)$$