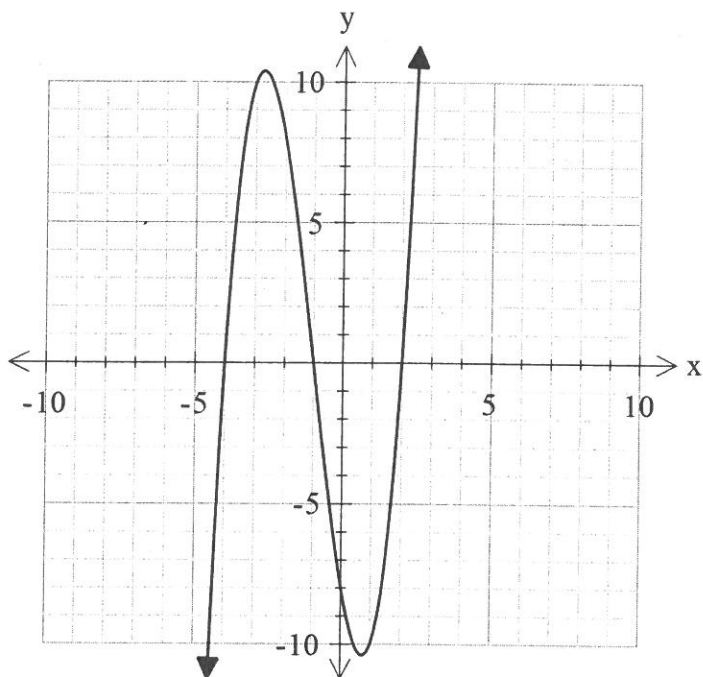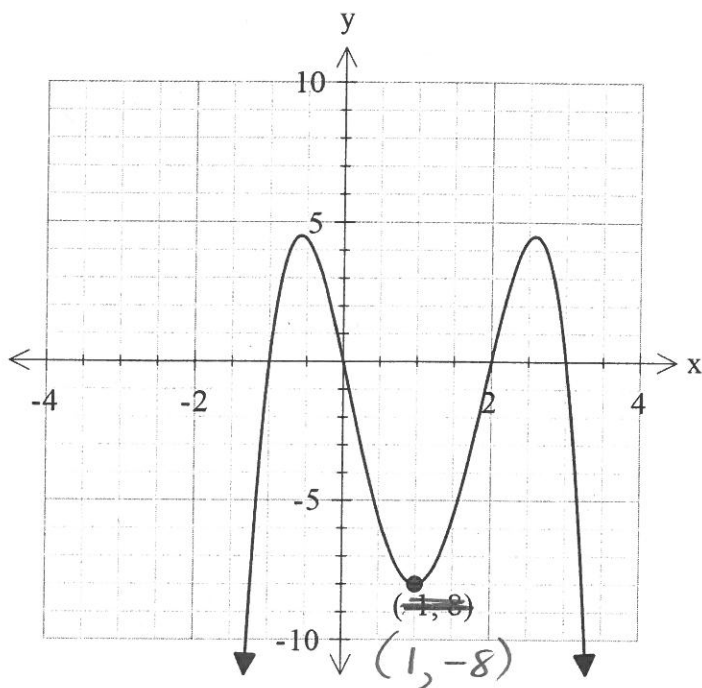# Grade 12 Pre-Calculus
Equations of Polynomial Functions

Write a possible equation of each of the following. Think of: the sign of the leading coefficient, the x-intercepts, and any sites of multiplicity, the y-intercept and the "a" value. Leave in factored form.
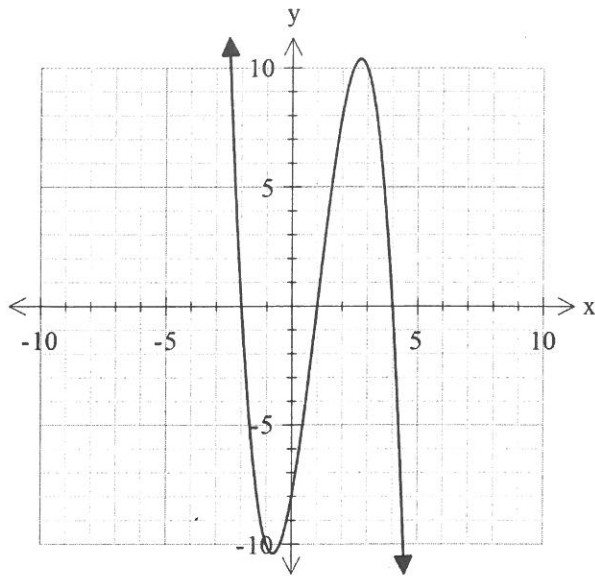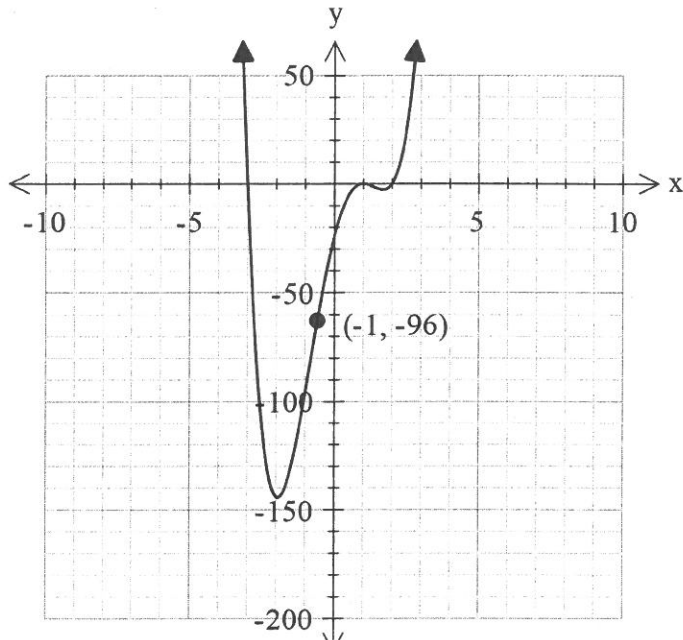
1.

2.

$(1, -8)$

3.

4.

(-1, -96)

5.

(1, 324)