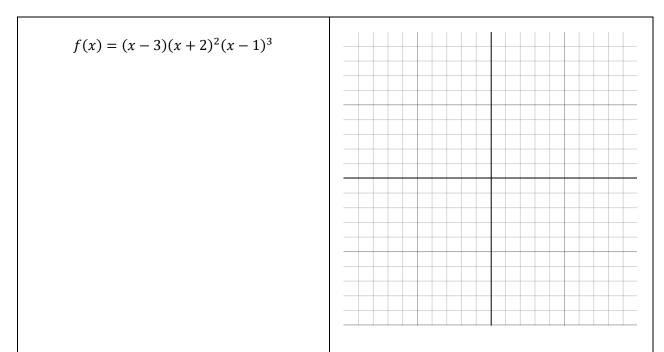
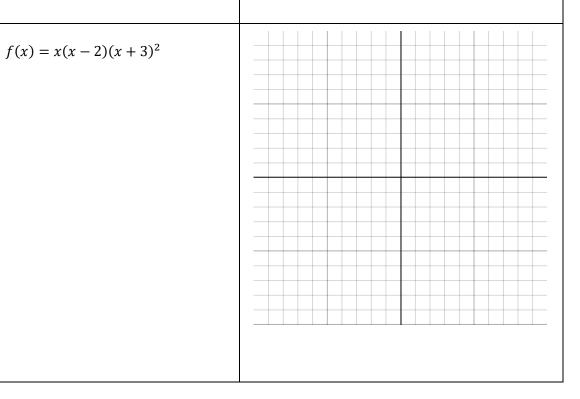
Name:

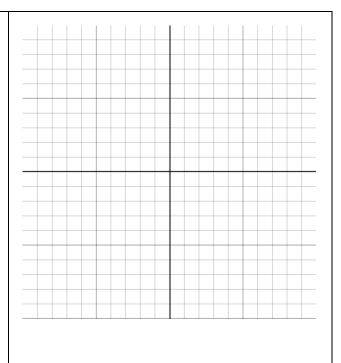
Section 3.2 – Graphing Polynomials

1. Use of the tools we have discussed in previous sections as well as this to graph a rough sketch of the given polynomials. All intercepts should be exact, peaks and valleys inferred but not exact if necessary. Create your own grid scale to suit your needs.





$$f(x) = \frac{1}{16}(x-4)^2(x+5)$$



2. Write the equation of the Polynomial in factored form with the following criteria

Roots at: -1, -1, 0, 2

Goes through point: (1,5)

Roots at: 2, 2, -5, 7

y - int: (0, 4)