Homework 17

Use our curve sketching techniques to sketch the following curves. Be sure to write out each step clearly.

1. $f(x) = 3(x - 2)(x + 4)$

2. $f(x) = -2x^2(x - 2)(x + 1)$

3. $f(x) = -x^5 - 6x^4 - 5x^3$

4. $f(x) = \frac{3(x-1)(x+2)}{x^2+2x-3}$

5. $f(x) = \frac{3(x-1)(x+2)}{x^2+2x+1}$

6. $f(x) = \frac{3(x-1)(x+2)}{x^2+4x+3}$