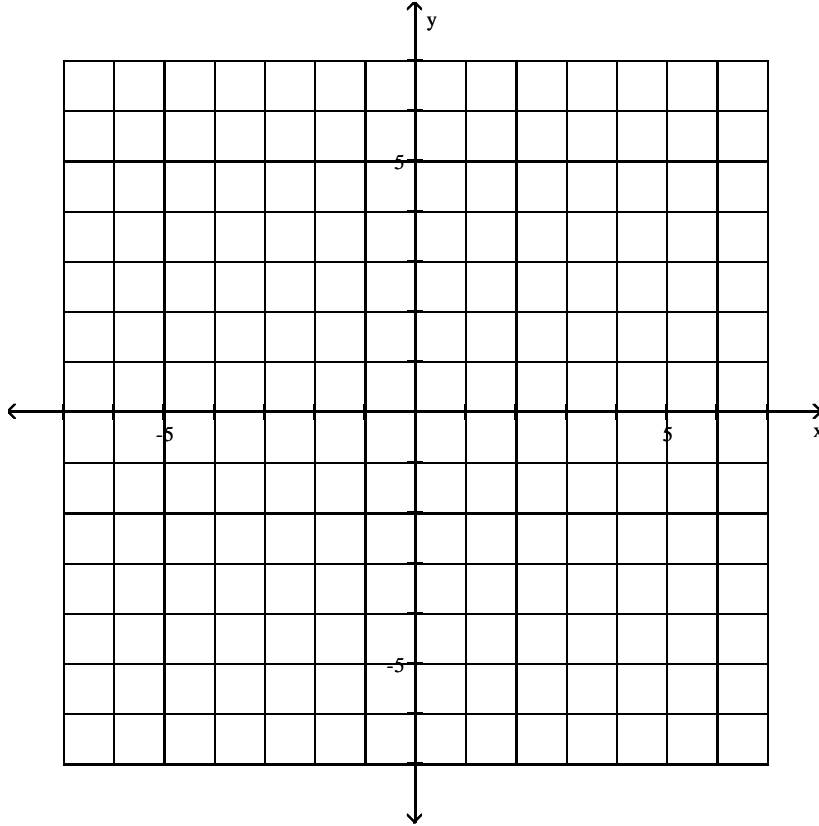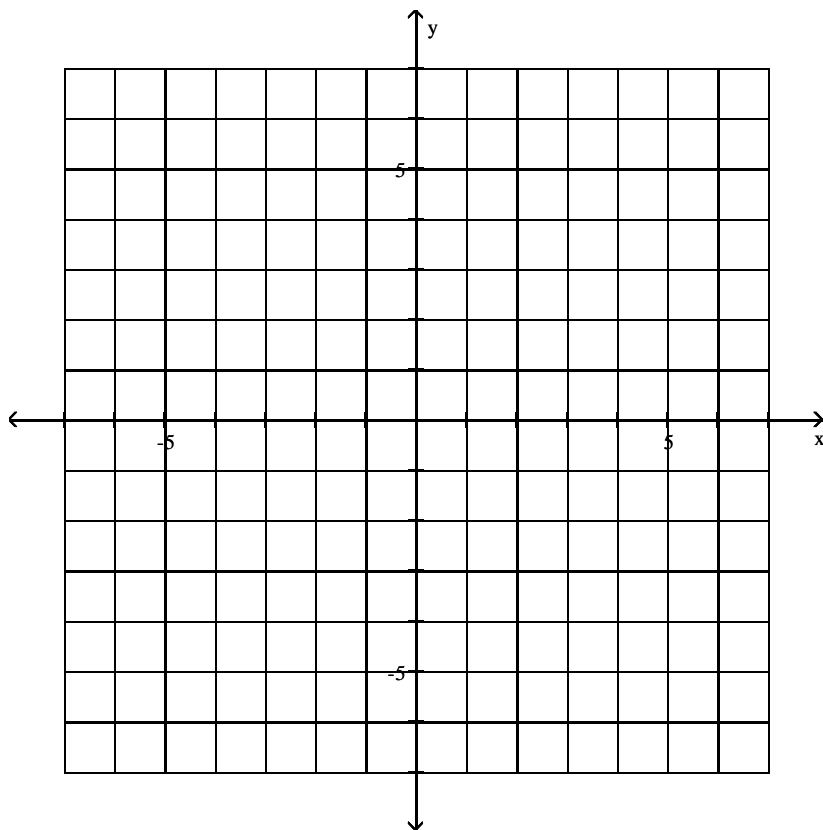i. Show all relevant work. No work, no credit.

ii. Write your answers in the spaces provided on the right.

iii. Staple when you turn in the assignment.

iv. Due Wednesday, October 29 at the beginning of the class.

Graph the Polynomial

1) $f(x) = x^3 + 2x^2 - 9x - 18$

2) $f(x) = 2x^3 - 11x^2 + 10x + 8$

Find the zeros of the polynomial.

3) $x^3 + 7x^2 + 14x + 8 = 0$

Solve the equation in the real number system.

    4) $2x^3 - 9x^2 + 7x + 6 = 0$

Find the zeros of the polynomial.

    5) $f(x) = x^3 + 5x^2 + 7x - 13$