

Name _____

Date _____

Advanced Algebra

Unit 5: Polynomials: Assignment #5

First use the distributive property and then combine like terms

1) $2(x^3 + 3x^2 - 6x + 2) + 4(x^2 - 8x)$

2) $.5(x^4 + 3x^2 + 6) - (2x^2 + 4x)$

3) $\frac{1}{4}(x^5 - 3x^4 + 2x - 6) - (3x^4 + 8x - 12)$

Make a sketch of each of the following and transform the following into General Form (Use your box skills)

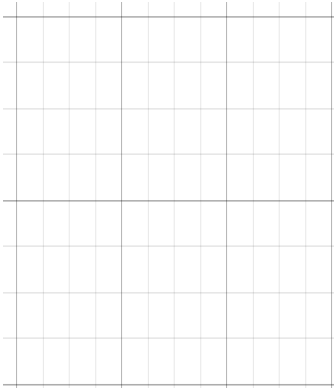
4) $y = 4(x-2)(x+8)(x+9)$



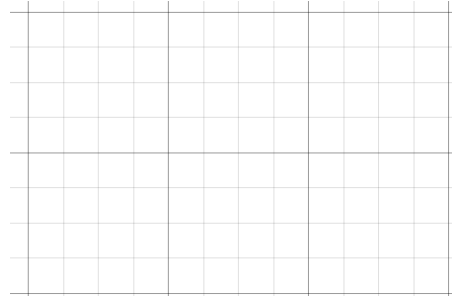
5) $y = -3(x+5)(x+8)(x-7)$



6) $y = 6(x-5)(x-2)(x+6)$



7) $y = -9(x+6)(x-8)(x+1)$



8) $y = \frac{1}{4}(4x+8)(2x-3)(x+5)$

