If you need more practice with … here are some things to remember & practice!

Finding Complex Roots

* By Quadratic Formula/Completing the Square (#1 quiz 2.2)

*Remember…*

* Never include x in the quadratic formula on the right side

*Examples: Solve for all values of x in simplest a+bi form.*

1. b)

Factoring by Grouping to Solve Polynomials (#4 quiz 2.2)

*Remember…*

* This occurs when we have **four** terms
* Write in standard form and group into two binomials
* Pull out a GCF from each and write as two *factors* (factors imply multiplication)
* Set each factor equal to zero to solve for all solutions

*Examples:*

1. b)

* From Factored Forms (#2 quiz 2.2)

*Remember…*

* Set each factor =0 individually to solve like separate equations

*Examples: Find the zeros of each function.*

1. b)

Sketching Curves/Solving Polynomials Graphically

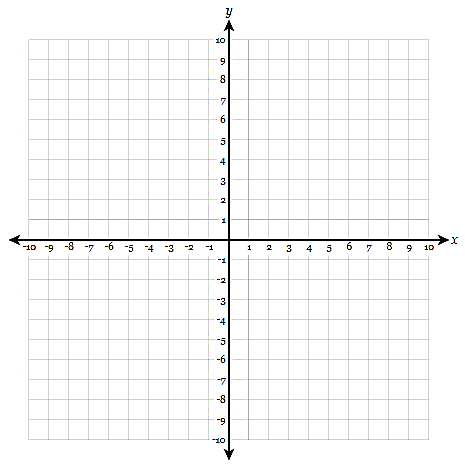
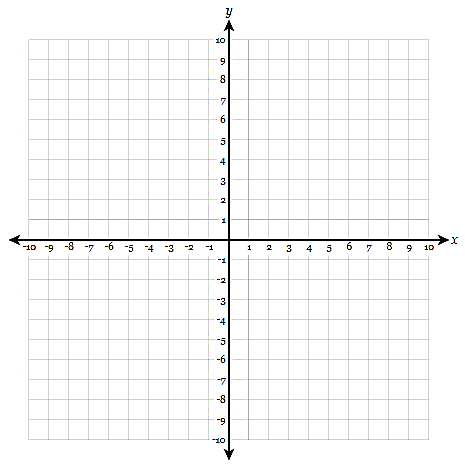
* Given Factored Form of Polynomial (#3 quiz 2.2)

*Remember…*

* Negate factors to determine roots
* Pay attention to which numbers are larger according to the question
* Note details of including all intercepts

*Examples: Sketch the curves given the equations below. Include all intercepts.*

1. b)

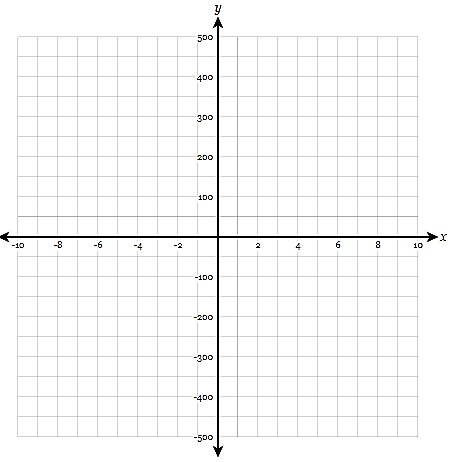


* Given a Polynomial in Standard Form (#5 quiz 2.2)

*Remember…*

* Type equation into y= in your calculator
* Use the table to plot **ALL** points in the table that fit in the graph

*Examples: Graph the following functions and state all solutions.*

1.  b)

