

Algebra 2  
Chapter Three Outcomes and Homework

**OUTCOMES:**

At the end of Chapter Three, each student should be able to do the following:

- Understand and apply the definition, vocabulary and notation of functions
- Recognize the graphs of quadratic and absolute value functions
- Work with functions presented verbally, algebraically, numerically or graphically
- Apply the concept of slope to non-linear functions and interpret its meaning
- Transform functions using the connection between graphical and algebraic changes
- Use functions that are an algebraic combination of other functions
- Apply the concept of an inverse function to functions presented in any of the four forms

**HOMEWORK:** (Bold is honors only, underlined is regular only)

- 3-1 # 3, 7, 11, 17, 21, 23, **27**, **29**, **33**, 37, 41, 45, 47, **51**, 55, 61, 62ab
- 3-1 # 67, **69**, **71**  
3-2 # 5, 11, **17**, 19, 23, 25, 31, 33, 41, 45, **49**, **51**
- 3-2 # 53, 55, 57, 59, 61, 67, **81**, **82**, 83, 85, **94**
- 3-3 # 3, 11(exactly with calc), 15, 17, 21, 25, **27**, 31, 33, **38**, **39**
- 3-4 # 1 – 10 all (honors do odds), 11, 13, 15, 17, 19, 27, 29
- 3-4 # 31, 33, 39, 43, 45, 53, 55, **61**, **65**, 69, 70, **71**, **73**
- 3-5 # 3, 9, 15, 23, 31, 35, 37, 39, 43, 49, 55, 61, **65**, **67**, **71b&c**
- 3-6 # 1, 5, 7, 11, 17, 19, 21, 23 – 28 all, 31, 35, **39**, **43**, 45, 49, **51**, 57, 61, **65**
- 3-7 # 3, 5, 9, 11, 17, 19, 23, **27**, 33, 37, **39**, 47, 53, 69, 71, 75, **79**