

Algebra 2  
Chapter Two Outcomes and Homework

**OUTCOMES:**

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

- Know the basics of coordinate planes, including finding distance, midpoint and slope
- Plot curves and find characteristics such as intercepts and symmetries
- Convert between information about circles and their equations
- Use a graphing calculator to plot curves, adjusting the calculator parameters as needed
- Use a graphing calculator to solve equations and inequalities
- Graph, find characteristics of, make and use linear equations
- Use the different types of variation to solve word problems

**HOMEWORK:** (Bold problems are required for honors only but anyone may try them. Underlined problems may be skipped by honors)

- 2-1 # 9, 13, 17, 23, 27, 31, 35, 43, **48**, 53, 55  
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- 2-2 # 3, 5, 7, 9, 13, 17, 19, 25, 27, 33, 39, **41**
- 2-2 # 45, 49, 51, 52, 53, 57, 59, 61, 63, 67, 73, **77, 79**, 83, **87**
- 2-3 # 5abc, 17, 18, 21, 25, 29, 31, 39, 41, 49, 53, 59, **63**
- 2-4 # 5, 9, 13, 17, 21, 25, 29, 31, 33, 43, 49, 57, 62, 65, **69, 71**
- 2-5 # 3, 7, 11, 13, 17, 19, 23, 27, 29, 33, **39, 42**
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