# Suggested Homework List

# College Algebra Essentials, 4rd edition - Blitzer

*All homework problems are odd problems only unless otherwise stated.*

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| **Section(s)** | **Homework** |
| P.6 – Rational Expressions | p. 86 (1-71) |
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| 1.2 – Linear Equations and Rational Equations  1.4 – Complex Numbers  1.5 – Quadratic Equations  1.6 – Other Types of Equations  1.7 – Linear Inequalities and Absolute Value Inequalities | p. 118 (31-49, 71, 75-79)  p. 142 (1-43)  p. 160 (1-107, 145-149)  p. 178 (1-29, 41-59)  p. 195 (1-93) |
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| 2.1 – Basics of Functions and Their Graphs  2.2 – More on Functions and Their Graphs  2.3 – Linear Functions and Slope  2.5 – Transformations on Functions  2.6 – Combinations on Functions; Composite Functions  2.7 – Inverse Functions  2.8 – Distance and Midpoint Formulas; Circles | p. 224 (1-91)  p. 238 (13-31, 37-75)  p. 255 (1-59)  p. 282 (1-105)  p. 297 (1-73)  p. 309 (1-51)  p. 319 (1-63) |
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| 3.1 – Quadratic Functions  3.3 – Dividing Polynomials  3.6 – Polynomial and Rational Inequalities | p. 343 (9-43, 61-67)  p. 373 (1-15)  p. 420 (1-27, 43-59) |
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| 4.1 – Exponential Functions  4.2 – Logarithmic Functions  4.3 – Properties of Logarithms  4.4 – Exponential and Logarithmic Equations  4.5 – Exponential Growth and Decay; Modeling Data | p. 451 (11-55)  p. 465 (1-99)  p. 477 (1-35, 41-77)  p. 489 (1-91, 107, 111)  p. 504 (1-19, 29, 31) |
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| 8.1 – Systems of Linear Equations in Two Variables  8.2 – Systems of Linear Equations in Three Variables  8.5 – Systems of Inequalities | p. 802 (1-45, 77-79)  p. 813 (1-23, 37-41)  p. 847 (1-11, 27-43) |
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