**Algebra Supplementary Work**

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |

|  |  |  |  |
| --- | --- | --- | --- |
| 1.1 | 1.1.1  | Solving Puzzles in Teams  | CP: [1-1 to 1-3](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.1.1&type=lesson#1-1)HW: [1-4 to 1-8](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.1.1&type=lesson#1-4) |
| 1.1.2  | Investigating the Growth of Patterns  | **Day 1**CP: [1-9](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.1.2&type=lesson#1-9)HW: [1-13 to 1-17](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.1.2&type=lesson#1-13)**Day 2**CP: [1-11 to 1-12](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.1.2&type=lesson#1-11)HW: [1-18 to 1-22](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.1.2&type=lesson#1-18)  |
| 1.1.3 | Investigating the Graphs of Quadratic Functions | CP: [1-23](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.1.3&type=lesson#1-23)HW: [1-25 to 1-29](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.1.3&type=lesson#1-25) |
| 1.2 | 1.2.1 | Describing a Graph | **Day 1**CP: [1-30](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.1&type=lesson#1-30) & [1-31](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.1&type=lesson#1-31)HW: [1-33 to 1-37](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.1&type=lesson#1-33)**Day 2**CP: [1-32](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.1&type=lesson#1-32)HW: [1-38 to 1-42](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.1&type=lesson#1-38) |
| 1.2.2 | Cube Root and Absolute Value Relations | CP: ​[1-43 to 1-45](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.2&type=lesson#1-43)HW: ​[1-47 to 1-51](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.2&type=lesson#1-47) |
| 1.2.3 | Relation Machines | CP: [1-53 to 1-56](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.3&type=lesson#1-53)HW: [1-57 to 1-61](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.3&type=lesson#1-57) |
| 1.2.4 | Functions | CP: ​[1-62 to 1-63](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.4&type=lesson#1-62)HW: [1-66 to 1-70](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.4&type=lesson#1-66) |
| 1.2.5 | Domain and Range | CP: [1-71 to 1-74](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.5&type=lesson#1-71)HW: [1-78 to 1-82](https://ebooks.cpm.org/bookdb.php?title=cca&name=1.2.5&type=lesson#1-78) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |
| Appendix (opt.)  | Representing Expressions  |  |
| 2.1 | 2.1.1 | Seeing Growth in Linear Representations | CP: [2-1 to 2-5](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.1.1&type=lesson#2-6)HW: [2-6 to 2-10](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.1.1&type=lesson#2-6) |
| 2.1.2 | Slope | CP: [2-11 to 2-16](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.1.2&type=lesson#2-11)HW: [2-19 to 2-24](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.1.2&type=lesson#2-19)  |
| 2.1.3 | Comparing Δy and Δx | CP: [2-25 to 2-27(b)](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.1.3&type=lesson#2-25) & [2-30](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.1.3&type=lesson#2-30)HW: [2-31 to 2-35](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.1.3&type=lesson#2-31)  |
| 2.1.4 | y=mx+b and More on Slope | CP: [2-36 to 2-40](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.1.4&type=lesson#2-36)HW: [2-41 to 2-45](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.1.4&type=lesson#2-41) |
| 2.2 | 2.2.1 | Slope as Motion | CP: [2-46 to 2-47](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.2.1&type=lesson#2-46)HW: [2-48 to 2-52](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.2.1&type=lesson#2-48) |
| 2.2.2 | Rate of Change | **Day 1**CP: [2-53 to 2-54](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.2.2&type=lesson#2-53)HW: [2-59 to 2-62](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.2.2&type=lesson#2-59)**Day 2**CP: [2-55 to 2-56](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.2.2&type=lesson#2-55)HW: [2-63 to 2-67](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.2.2&type=lesson#2-63) |
| 2.2.3 | Equations of Lines in Situations | CP: [2-68](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.2.3&type=lesson#2-68)HW: [2-70 to 2-74](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.2.3&type=lesson#2-70) |
| 2.3 | 2.3.1 | Finding an Equation Given a Slope and a Point | CP: [2-75 to 2-79](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.3.1&type=lesson#2-75)HW: [2-82 to 2-86](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.3.1&type=lesson#2-82) |
| 2.3.2 | Finding the Equation of a Line Through Two Points | CP: [2-87 to 2-88](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.3.2&type=lesson#2-87)HW: [2-90 to 2-94](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.3.2&type=lesson#2-90) |
| Extension Activity (opt.) | Finding y=mx+b from Graphs and Tables  | HW: [2-96 to 2-100](https://ebooks.cpm.org/bookdb.php?title=cca&name=2.4.1&type=lesson#2-96) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |
| 3.1 | 3.1.1 | Simplifying Exponential Expressions | CP: ​[3-1 to 3-4](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.1.1&type=lesson#3-1)HW: [3-6 to 3-11](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.1.1&type=lesson#3-6) |
| 3.1.2 | Zero and Negative Exponents | CP: ​[3-13 to 3-16](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.1.2&type=lesson#3-13)HW: [3-19 to 3-24](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.1.2&type=lesson#3-19) |
| 3.2 | 3.2.1 | Equations ↔ Algebra Tiles | CP: [3-25 to 3-30](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.2.1&type=lesson#3-25)**Day 1** HW: [3-33 to 3-38](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.2.1&type=lesson#3-33)**Day 2** HW: [3-39 to 3-44](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.2.1&type=lesson#3-39) |
| 3.2.2 | Exploring an Area Model | CP: ​[3-45 to 3-47](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.2.2&type=lesson#3-45)HW: [3-48 to 3-53](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.2.2&type=lesson#3-48) |
| 3.2.3 | Multiplying Binomials and the Distributive Property | CP: [3-54 to 3-57](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.2.3&type=lesson#3-54)HW: [3-58 to 3-63](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.2.3&type=lesson#3-58) |
| 3.2.4 | Using Generic Rectangles to Multiply | CP: [3-65 to 3-68](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.2.4&type=lesson#3-65)HW: [3-70 to 3-75](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.2.4&type=lesson#3-70) |
| 3.3 | 3.3.1 | Solving Equations With Multiplication and Absolute Value | CP: [3-76 to 3-79](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.3.1&type=lesson#3-76)HW: [3-81 to 3-86](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.3.1&type=lesson#3-81) |
| 3.3.2 | Working With Multi-Variable Equations | **Day 1**CP: [3-87 to 3-9](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.3.2&type=lesson#3-87)0HW: [3-93 to 3-98](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.3.2&type=lesson#3-93)**Day 2**CP: [3-91 to 3-92](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.3.2&type=lesson#3-91)HW: [3-99 to 3-104](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.3.2&type=lesson#3-99) |
| 3.3.3 | Summary of Solving Equations | CP: ​[3-105](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.3.3&type=lesson#3-105)HW: [3-107 to 3-112](https://ebooks.cpm.org/bookdb.php?title=cca&name=3.3.3&type=lesson#3-107) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |
| 4.1 | 4.1.1 | Solving Word Problems by Writing Equations | CP: [4-1 to 4-7](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.1.1&type=lesson#4-1)​ **Day 1** HW: [4-8 to 4-13](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.1.1&type=lesson#4-8) **Day 2** HW: [4-14 to 4-19](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.1.1&type=lesson#4-14) |
| 4.1.2 | One Equation or Two? | CP: [4-20 to 4-23](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.1.2&type=lesson#4-20)HW: [4-25 to 4-30](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.1.2&type=lesson#4-25) |
| 4.2 | 4.2.1 | Solving Systems of Equations Using Substitution | CP: [4-32 to 4-34](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.1&type=lesson#4-32)HW: [4-36 to 4-41](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.1&type=lesson#4-36) |
| 4.2.2 | Making Connections: Systems, Solutions, and Graphs | CP: [4-42](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.2&type=lesson#4-42) & [4-47](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.2&type=lesson#4-47), [4-43 to 4-45](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.2&type=lesson#4-43) FGHW: [4-49 to 4-54](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.2&type=lesson#4-49) |
| 4.2.3 | Solving Systems Using Elimination | CP: [4-55 to 4-58](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.3&type=lesson#4-55)HW: [4-60 to 4-65](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.3&type=lesson#4-60) |
| 4.2.4 | More Elimination | CP: [4-67 to 4-70](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.4&type=lesson#4-67)HW: [4-71 to 4-76](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.4&type=lesson#4-71) |
| 4.2.5 | Choosing a Strategy for Solving Systems | CP: [4-77 to 4-79](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.5&type=lesson#4-77)HW: [4-81 to 4-86](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.2.5&type=lesson#4-81) |
| 4.3 | 4.3.1 | Pulling it all Together | Various problems from HW: [4-98 to 4-110](https://ebooks.cpm.org/bookdb.php?title=cca&name=4.3.1&type=lesson#4-98) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |
| 5.1 | 5.1.1 | Representing Exponential Growth | **Day 1**CP: [5-1](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.1.1&type=lesson#5-1), [5-2](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.1.1&type=lesson#5-2) FGHW: [5-6 to 5-11](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.1.1&type=lesson#5-6)**Day 2**CP: [5-3(a-b) to 5-4](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.1.1&type=lesson#5-3)HW: [5-12 to 5-17](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.1.1&type=lesson#5-12) |
| 5.1.2 | Rebound Ratios | CP: [5-18 to 5-21](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.1.2&type=lesson#5-18)HW: [5-22 to 5-27](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.1.2&type=lesson#5-22)  |
| 5.1.3 | The Bouncing Ball and Exponential Decay | CP: [5-28 to 5-31](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.1.3&type=lesson#5-28)HW: [5-34 to 5-39](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.1.3&type=lesson#5-34) |
| 5.2 | 5.2.1 | Generating and Investigating Sequences | CP: [5-41 to 5-43](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.2.1&type=lesson#5-41)**Day 1** HW: [5-44 to 5-49](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.2.1&type=lesson#5-44)**Day 2** HW: [5-50 to 5-55](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.2.1&type=lesson#5-50) |
| 5.2.2 | Generalizing Arithmetic Sequences | CP: [5-56 to 5-57](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.2.2&type=lesson#5-56)HW: [5-65 to 5-70](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.2.2&type=lesson#5-65) |
| 5.2.3 | Recursive Sequences | CP: [5-71 to 5-74](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.2.3&type=lesson#5-71)HW: [5-76 to 5-81](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.2.3&type=lesson#5-76) |
| 5.3 | 5.3.1 | Patterns of Growth in Tables and Graphs | CP: [5-82 to 5-84](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.3.1&type=lesson#5-82)HW: [5-85 to 5-90](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.3.1&type=lesson#5-85) |
| 5.3.2 | Using Multipliers to Solve Problems | **Day 1**CP: [5-91 to 5-94](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.3.2&type=lesson#5-91)HW: [5-101 to 5-105](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.3.2&type=lesson#5-101)**Day 2**CP: [5-97 to 5-100](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.3.2&type=lesson#5-97)HW: [5-106 to 5-110](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.3.2&type=lesson#5-106) |
| 5.3.3 | Comparing Sequences to Functions | CP: [5-111 to 5-113](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.3.3&type=lesson#5-111)HW: [5-117 to 5-123](https://ebooks.cpm.org/bookdb.php?title=cca&name=5.3.3&type=lesson#5-117)  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |
| 6.1 | 6.1.1 | Line of Best Fit | HW: [6-1](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.1&type=lesson#6-1) & [6-2](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.1&type=lesson#6-2)HW: [6-4 to 6-9](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.1&type=lesson#6-4) |
| 6.1.2 | Residuals | CP: [6-10 to 6-13](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.2&type=lesson#6-10)HW: [6-16 to 6-21](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.2&type=lesson#6-16) |
| 6.1.3 | Upper and Lower Bounds | CP: [6-22 to 6-23](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.3&type=lesson#6-22)HW: [6-24 to 6-29](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.3&type=lesson#6-24) |
| 6.1.4 | Least Squares Regression Line | **Day 1**CP: [6-30 to 6-32](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.4&type=lesson#6-30)HW: [6-35 to 6-40](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.4&type=lesson#6-35)**Day 2**CP: [6-33](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.4&type=lesson#6-33)HW: [6-41 to 6-46](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.1.4&type=lesson#6-41) |
| 6.2 | 6.2.1 | Residual Plots | **Day 1**CP: [6-47 to 6-49](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.1&type=lesson#6-47)HW: [6-55 to 6-60](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.1&type=lesson#6-55)**Day 2**CP: [6-50 to 6-51](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.1&type=lesson#6-50)HW: [6-61 to 6-66](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.1&type=lesson#6-61) |
|  | 6.2.2 | Correlation | CP: [6-67 to 6-71](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.2&type=lesson#6-67)HW: [6-73 to 6-78](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.2&type=lesson#6-73) |
|  | 6.2.3 | Association is Not Causation | CP: [6-79 to 6-83](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.3&type=lesson#6-79)HW: [6-85 to 6-90](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.3&type=lesson#6-85) |
|  | 6.2.4 | Interpreting Correlation in Context | CP: [6-91 to 6-94](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.4&type=lesson#6-91)HW: [6-99 to 6-104](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.4&type=lesson#6-99) |
|  | 6.2.5 | Curved Best-Fit Models | CP: [6-105 to 6-108](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.5&type=lesson#6-105)**Day 1** HW: [6-110 to 6-115](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.5&type=lesson#6-110)**Day 2** HW: [6-116 to 6-121](https://ebooks.cpm.org/bookdb.php?title=cca&name=6.2.5&type=lesson#6-116) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |
| 7.1 | 7.1.1 | Investigating *y* = *bx* | **Day 1**CP: [7-1 to 7-3](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.1&type=lesson#7-1)HW: [7-7 to 7-13](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.1&type=lesson#7-7)**Day 2**CP: [7-4](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.1&type=lesson#7-4)HW: [7-14 to 7-19](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.1&type=lesson#7-14) |
| 7.1.2 | Multiple Representations of Exponential Functions | CP: [7-20 to 7-22](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.2&type=lesson#7-20)HW: [7-24 to 7-29](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.2&type=lesson#7-24) |
| 7.1.3 | More Applications of Exponential Growth | CP: [7-30 to 7-33](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.3&type=lesson#7-30)HW: [7-35 to 7-41](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.3&type=lesson#7-35) |
| 7.1.4 | Exponential Decay | **Day 1**CP: [7-42 to 7-43](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.4&type=lesson#7-42)HW: [7-47 to 7-52](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.4&type=lesson#7-47)**Day 2**CP: [7-44 to 7-46](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.4&type=lesson#7-44)HW: [7-53 to 7-58](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.4&type=lesson#7-53) |
| 7.1.5 | Graph to Equation | CP: [7-59(a-c)](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.5&type=lesson#7-61)HW: [7-61 to 7-66](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.5&type=lesson#7-61) |
| 7.1.6 | Completing the Multiple Representations Web | CP: [7-67 to 7-71](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.6&type=lesson#7-67)HW: [7-73 to 7-78](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.1.6&type=lesson#7-73) |
| 7.2 | 7.2.1 | Curve Fitting and Fractional Exponents | CP: [7-79 to 7-83](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.2.1&type=lesson#7-79)HW: [7-87 to 7-91](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.2.1&type=lesson#7-87) |
| 7.2.2 | More Curve Fitting | CP: [7-92 to 7-95](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.2.2&type=lesson#7-92)HW: [7-96 to 7-101](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.2.2&type=lesson#7-96) |
| 7.2.3 | Solving a System of Exponential Functions Graphically | CP: [7-102](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.2.3&type=lesson#7-102), [7-103](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.2.3&type=lesson#7-103) FGHW: [7-106 to 7-111](https://ebooks.cpm.org/bookdb.php?title=cca&name=7.2.3&type=lesson#7-106) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |
| 8.1 | 8.1.1 | Introduction to Factoring Quadratics | CP: [8-1 to 8-5](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.1.1&type=lesson#8-1)HW: [8-6 to 8-12](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.1.1&type=lesson#8-6) |
| 8.1.2 | Factoring with Generic Rectangles | CP: [8-13 to 8-16](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.1.2&type=lesson#8-13)HW: [8-17 to 8-23](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.1.2&type=lesson#8-17) |
| 8.1.3 | Factoring with Special Cases | CP: [8-22 to 8-26](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.1.3&type=lesson#8-22)HW: [8-29 to 8-34](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.1.3&type=lesson#8-29) |
| 8.1.4 | Factoring Completely | CP: [8-35 to 8-38](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.1.4&type=lesson#8-35)HW: [8-39 to 8-44](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.1.4&type=lesson#8-39) |
| 8.1.5 | Factoring Shortcuts | CP: [8-45 to 8-47](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.1.5&type=lesson#8-45)HW: [8-49 to 8-54](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.1.5&type=lesson#8-49)  |
| 8.2 | 8.2.1 | Multiple Representations for Quadratic Functions | CP: [8-55 to 8-56](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.2.1&type=lesson#8-55)HW: [8-58 to 8-63](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.2.1&type=lesson#8-58) |
| 8.2.2 | Zero Product Property | CP: [8-64 to 8-68](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.2.2&type=lesson#8-64)HW: [8-69 to 8-75](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.2.2&type=lesson#8-69) |
| 8.2.3 | More Ways To Find the*x*-Intercepts | CP: [8-77 to 8-81](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.2.3&type=lesson#8-77)HW: [8-83 to 8-88](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.2.3&type=lesson#8-83) |
| 8.2.4 | Completing the Quadratic Web | CP: [8-89 to 8-90](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.2.4&type=lesson#8-89)HW: [8-92 to 8-97](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.2.4&type=lesson#8-92)  |
| 8.2.5 | Completing the Square | CP: [8-98 to 8-104](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.2.5&type=lesson#8-98)HW: [8-107 to 8-111](https://ebooks.cpm.org/bookdb.php?title=cca&name=8.2.5&type=lesson#8-107) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |
| 9.1 | 9.1.1 | Solving Quadratic Equations | CP: ​[9-1 to 9-3](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.1.1&type=lesson#9-1)HW: [9-6 to 9-11](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.1.1&type=lesson#9-6) |
| 9.1.2 | Introduction to the Quadratic Formula | CP: [9-12 to 9-15](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.1.2&type=lesson#9-12)HW: ​[9-17 to 9-23](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.1.2&type=lesson#9-17) |
| 9.1.3 | More Solving Quadratic Equations | CP: [9-24 to 9-25](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.1.3&type=lesson#9-24)HW: ​[9-27 to 9-33](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.1.3&type=lesson#9-27) |
| 9.1.4 | Choosing a Strategy | CP: [9-34](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.1.4&type=lesson#9-34) & [9-36](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.1.4&type=lesson#9-36)HW: ​[9-38 to 9-43](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.1.4&type=lesson#9-38) |
| 9.2 | 9.2.1 | Solving Linear, One-Variable Inequalities | CP: [9-44 to 9-48](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.2.1&type=lesson#9-44)HW: ​[9-50 to 9-55](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.2.1&type=lesson#9-50) |
| 9.2.2 | More Solving Inequalities | CP: [9-56](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.2.2&type=lesson#9-56) & [9-58](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.2.2&type=lesson#9-58)HW: ​[9-59 to 9-64](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.2.2&type=lesson#9-59) |
| 9.3 | 9.3.1 | Graphing Two-Variable Inequalities | CP: [9-66 to 9-68](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.3.1&type=lesson#9-66)HW: ​[9-70 to 9-76](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.3.1&type=lesson#9-70) |
| 9.3.2 | Graphing Linear and Non-Linear Inequalities | CP: [9-77 to 9-80](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.3.2&type=lesson#9-77)HW: ​[9-83 to 9-88](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.3.2&type=lesson#9-83) |
| 9.4 | 9.4.1 | Systems of Inequalities | CP: [9-89 to 9-92](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.4.1&type=lesson#9-89)HW: ​[9-94 to 9-100](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.4.1&type=lesson#9-94) |
| 9.4.2 | More Systems of Inequalities | CP: [9-101](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.4.2&type=lesson#9-101) & [9-102](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.4.2&type=lesson#9-102)HW: ​[9-105 to 9-110](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.4.2&type=lesson#9-105)  |
| 9.4.3 | Applying Inequalities to Solve Problems | HW: [9-111](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.4.3&type=lesson#9-111) & [9-112](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.4.3&type=lesson#9-112)HW: ​[9-114 to 9-119](https://ebooks.cpm.org/bookdb.php?title=cca&name=9.4.3&type=lesson#9-114) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |
| 10.1 | 10.1.1 | Association in Two-Way Tables | CP: [10-1 to 10-7](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.1.1&type=lesson#10-10)**Day 1** HW: [10-10 to 10-15](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.1.1&type=lesson#10-10)**Day 2**HW: [10-16 to 10-21](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.1.1&type=lesson#10-16) |
| 10.2 | 10.2.1 | Solving by Rewriting | CP: [10-22 to 10-26](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.1&type=lesson#10-22)HW: [10-27 to 10-33](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.1&type=lesson#10-27) |
| 10.2.2 | Fraction Busters | CP: [10-35 to 10-38](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.2&type=lesson#10-35)HW: [10-39 to 10-45](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.2&type=lesson#10-39) |
| 10.2.3 | Multiple Methods for Solving Equations | CP: [10-46](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.3&type=lesson#10-46), [10-50 to 10-52](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.3&type=lesson#10-50)HW: [10-53 to 10-59](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.3&type=lesson#10-53) |
| 10.2.4 | Determining the Number of Solutions | CP: [10-60 to 10-65](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.4&type=lesson#10-60)HW: [10-67 to 10-73](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.4&type=lesson#10-67) |
| 10.2.5 | Deriving the Quadratic Formula and the Number System | CP: [10-74 to 10-78](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.5&type=lesson#10-74)HW: [10-81 to 10-87](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.5&type=lesson#10-81) |
| 10.2.6 | More Solving and an Application | CP: [10-88 to 10-89](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.6&type=lesson#10-88)HW: [10-90 to 10-96](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.2.6&type=lesson#10-90) |
| 10.3 | 10.3.1 | Intersection of Two Functions | **Day 1**CP: [10-97 to 10-101](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.3.1&type=lesson#10-97)HW: [10-107 to 10-113](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.3.1&type=lesson#10-107)**Day 2**CP: [10-102 to 10-106](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.3.1&type=lesson#10-102)HW: [10-114 to 10-119](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.3.1&type=lesson#10-114) |
| 10.3.2 | Number of Parabola Intersections | CP: [10-121 to 10-123](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.3.2&type=lesson#10-121)HW: [10-124 to 10-130](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.3.2&type=lesson#10-124) |
| 10.3.3 | Solving Quadratic and Absolute Value Inequalities | CP: [10-131 to 10-134](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.3.3&type=lesson#10-131)HW: [10-137 to 10-142](https://ebooks.cpm.org/bookdb.php?title=cca&name=10.3.3&type=lesson#10-137) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Lesson** | **Lesson Objectives** | **Core Problems****Homework** |
| 11.1 | 11.1.1 | Transforming Functions | **Day 1**CP: [11-1 to 11-2](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.1.1&type=lesson#11-1)HW: [11-4 to 11-9](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.1.1&type=lesson#11-4)**Day 2**CP: [11-2](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.1.1&type=lesson#11-2)HW: [11-10 to 11-15](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.1.1&type=lesson#11-10) |
| 11.1.2 | Inverse Functions | CP: ​[11-16 to 11-18](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.1.2&type=lesson#11-16)HW: [11-20 to 11-25](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.1.2&type=lesson#11-20) |
| 11.2 | 11.2.1 | Investigating Data Representation | **Day 1**CP: [11-26](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.2.1&type=lesson#11-26)HW: [11-28 to 11-33](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.2.1&type=lesson#11-28)**Day 2**CP: [11-26 to 11-27](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.2.1&type=lesson#11-26)HW: [11-34 to 11-39](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.2.1&type=lesson#11-34) |
| 11.2.2 | Comparing Data | **Day 1**CP: [11-40 to 11-43](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.2.2&type=lesson#11-40)HW: [11-46 to 11-52](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.2.2&type=lesson#11-46)**Day 2**CP: [11-44 to 11-45](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.2.2&type=lesson#11-44)HW: [11-53 to 11-59](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.2.2&type=lesson#11-53) |
| 11.2.3 | Standard Deviation | CP: [11-60 to 11-65](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.2.3&type=lesson#11-60)HW: [11-67 to 11-73](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.2.3&type=lesson#11-67) |
| 11.3 | 11.3.1 | Using a Best-Fit Line to Make a Prediction | CP: [11-74](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.1&type=lesson#11-74)**Day 1** HW: [11-75 to 11-80](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.1&type=lesson#11-75)**Day 2** HW: [11-81 to 11-85](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.1&type=lesson#11-81) |
| 11.3.2 | Relation Treasure Hunt | CP: [11-86](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.2&type=lesson#11-86)HW: [11-88 to 11-93](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.2&type=lesson#11-88)  |
| 11.3.3 | Investigating a Complex Function | CP: [11-94 to 11-97](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.3&type=lesson#11-94)HW: [11-98 to 11-103](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.3&type=lesson#11-98) |
| 11.3.4  | Using Algebra to Find a Maximum  | CP: [11-104](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.4&type=lesson#11-104), [11-107 to 11-115](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.4&type=lesson#11-107)**Day 1** HW: [11-110 to 11-115](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.4&type=lesson#11-110)**Day 2** HW: [11-116 to 11-121](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.4&type=lesson#11-116)  |
| 11.3.5  | Exponential Functions and Linear Inequalities  | CP: [11-122 to 11-125](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.5&type=lesson#11-122)**Day 1** HW: [11-126 to 11-131](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.5&type=lesson#11-126)**Day 2** HW: [11-132 to 11-137](https://ebooks.cpm.org/bookdb.php?title=cca&name=11.3.5&type=lesson#11-132)  |