

Algebra II Homework:

Chapter 1, Section 1: “*Parent Functions and Transformation*” --- Pages 8 – 10

Textbook Problems:

Part I: 1, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 37, 38, 47, 52

Part II: 3, 4, 5, 19, 20, 21, 22, 23, 24, 25, 26, 39, 40, 41, 42, 43, 44, 51

Chapter 1, Section 2: “*Transformations of Linear and Absolute Value Functions*” --- Pages 16 – 18

Textbook Problems:

Part I: 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 23, 24, 31, 32, 37, 38

Part II: 17, 18, 19, 20

Chapter 1, Section 3: “*Modeling with Linear Functions*” --- Pages 26 – 28

Textbook Problems:

Part I: 1, 3, 4, 5, 7, 8, 10

Part II: 9, 13, 14, 15, 18

Extra Problems:

1. At the end of 2 hours, a petri dish has 100 bacteria in it. At the end of 7 hours, the number has grown to 145 bacteria.
Write a linear equation which gives the number of bacteria as a function of time/hours. Identify the variables.
 2. Michael lights a 10 inch tall candle. At the end of 4 hours, the candle is 8 inches tall.
Write a linear function which gives the height of the candle as a function of time/hours. Identify the variables
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Chapter 1, Section 4: “*Solving Linear Systems*” --- Pages 34 – 35

Textbook Problems: 3, 7, 12, 13, 14, 15, 22, 23, 24, 33
