

## Chapter 1 - Functions and Graphs

1.1 Modeling and Equation Solving ... #3, 6, 9, 11, 15, 21, 22, 25 – 27, 33, 36, 39, 41

1.2 Functions and Their Properties ... Day 1: #5 – 8, 17 – 20, 21 – 24, 28, 29, 34, 45

... Day 2: 36, 38, 40, 49, 50, 51, 53, 55 – 61 odd, 67

**49, 50, 51, 53 - Prove algebraically  
that the function is even, odd or neither**

1.3 Twelve Basic Functions ... #1 – 11 odd, 13 – 28 all, 29 – 33 odd, 35, 36, 39, 40, 45, 47, 49, 53, 55a

1.5 Graphical Transformations ... Transformations Handout

1.4 Building Functions from Functions ... #1, 2, 5, 6, 9, 10, 11, 12, 13, 39 – 42, 53 – 56, 57, 59, 60

1.6 Modeling with Functions ... #1-10, 12, 15, 16, 17, 21 – 24, 26, 28, 29, 31, 32