Chapter 2 Answers

1. Domain: {2, -4, 1, -1} Not a Function

Range: {1, 5, 7, -3, 2}

1. Domain: {1, 2, 3, 4, 5} Function

Range: {-1, -2, -3, -4, -5}

1. -6
2. 2
3. An = a1 + d (n - 1)
   1. An = 2n + 10 ; 38
   2. An = -6n + 27 ; -57
   3. An = -4n ; -56
4. Y = 8x + 40 , 104 words in 8 minutes.
5. 3/5
6. -1
7. 0
8. Und
9. y = 6x – 1
10. y = -2x
11. y = -2/3x + 5
12. x = 5
13. y = 1/2x + 9/2
14. y = -3/2x –
15. 42.11x + 1588.05 ; 2010 students
16. Left 3, down 2
17. Up 2
18. Right 4
19. y = x + 2

Chapter 3 Answers

1. (9 , 26)
2. (0 , -2)
3. (-1 , 1)
4. (0 , 1 , 3)
5. 5 nickles, 10 Quarters, 20 dimes
6. Vertices: (0 , 0), (2 , 0), (0 , 2), (1.2 , 1.2)

Max Value is 8 @ (2 , 0)

1. Vertices: (0 , 0), (2 , 0), (0 , 5), (1 , 4)

Min Value is 0 @ (0 , 0)

1. 4 Loaves of Irish Soda Bread and 2 Kugelhopf cakes

Max Profit will be $14