Homework 1 Solutions

p. 23-4

1. b
2. d
3. a
4. c
5. b
6. b
7. c
8. d
9. a
10. b
11. a
12. c
13. b
14. d

p. 25
Error 1. tries to use width and length in calculation before their values are known

Alg. 1. Credit
1. ask user for maximum amount of credit
2. get max credit
3. ask user for credit used
4. get credit used
5. calculate available credit = max credit – credit used
6. display available credit

2. Sales Tax
1. ask user for retail price of item
2. get item price
3. ask user for sales tax rate
4. get tax rate
5. calculate sales tax = price * tax rate
6. calculate total price = price + sales tax
7. display sales tax
8. display total price

p. 27
Alg.1 Bank Account
1. prompt user for starting balance
2. get starting balance
3. prompt user for total deposits

Bass
4. get total deposits
5. prompt user for total withdrawals
6. get total withdrawals
7. prompt user for interest rate
8. get interest rate
9. calculate revised balance = starting balance + total deposits – total withdrawals
10. calculate interest = revised balance * interest rate
11. calculate new balance = revised balance + interest
12. display new balance