

# ANSWERS

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## Section 1-1

1. \$348.75
2. \$251.378
3. \$206.80
4. \$256.25
5. \$259.25
6. \$315.56
7. \$116.00
8. \$76.00
9. \$603.327

10. C

## Section 1-2

1. \$290, \$174, \$464
2. \$392, \$117.60, \$509.60
3. \$498.60, \$137.115, \$635.715
4. \$394.713
5. B

## Section 1-3

1.  $7\frac{3}{4}$
2.  $7\frac{1}{2}$
3. 7
4.  $8\frac{1}{2}$
5.  $3\frac{3}{4}$
6.  $34\frac{1}{2}$
7. A

## Section 1-4

1. \$825
2. \$264.50
3. \$464.75
4. \$290.40
5. \$495
6. \$459.90
7. B

## Section 1-5

1. 26, \$1,000
2. 52, \$283.65
3. 24, \$1,354.17
4. 12, \$4,666.67
5. 52, \$805.29
6. 24, \$3,736.46
7. \$2,865.38
8. \$39,000

9. \$60,000, \$2,307.69

10. A

## Section 1-6

1. \$300
2. \$319
3. \$365.625
4. \$439.40, \$500
5. \$819, \$819
6. \$1,282.50, \$1,282.50
7. B

## Section 1-7

1. \$800
2. \$260
3. \$156
4. \$333
5. C

## Chapter 1 Review

1. Michelle
2. Michelle
3. Alex

## Section 2-1

1. \$20
2. \$36
3. \$28
4. \$25
5. \$15
6. \$32
7. \$12
8. B

## Section 2-2

1. \$916.50
2. \$1,845.56
3. \$857.70
4. \$741.90
5. \$8,000, \$412.50
6. \$8,000, 647.50
7. C

## Section 2-3

1. \$46.92
2. \$33.34
3. \$71.66
4. \$29.57
5. A

## Section 2-4

1. \$49.73
2. \$141.53
3. \$267.75
4. \$122.14, \$28.57
5. \$0, \$36.25
6. \$63.24, \$14.79
7. \$43, \$34.04, \$7.96
8. B

## Section 2-5

1. \$52.50
2. \$30.58
3. \$106.88
4. \$1,843.92
5. \$45.87
6. \$29.88
7. A

## Section 2-6

1. \$336.94
2. \$466.45
3. \$463.35
4. D

## Chapter 2 Review

1. \$42
2. \$13.60
3. \$4.68
4. \$26.35
5. \$6.16
6. \$20.19
7. \$312.02
8. \$5,580
9. \$3,100

## Section 3-1

1. \$973
2. \$2,236.50
3. \$1,862.96
4. \$1,990
5. \$23,880
6. C

## Section 3-2

1. \$1,950
2. \$2,363.49
3. \$2,045

- \$2,008.05
- B

**Section 3-3**

- \$54 less
- \$22 more
- \$22.23 more
- \$1.65 less
- Transportation and Groceries
- Utilities, Entertainment, and Misc. Expenses
- \$4.06 less
- A

**Chapter 3 Review**

- Mortgage and Car Payments
- Utilities, Groceries, Entertainment, and Misc. Expenses
- Property Taxes and Insurance Premiums
- Misc. Expenses
- \$3,645
- \$1,271.67
- \$228.33

**Section 4-1**

- \$175.25
- \$1,849.71
- \$609.38
- \$806.20
- \$637.16
- \$577.29
- D

**Section 4-2**

- one hundred forty-seven and 55/100 dollars
- one thousand two hundred ninety-five and 72/100 dollars
- \$461.28
- \$2,039.45
- Wents' Sporting Goods
- fifty-seven and 88/100 dollars
- baseball equipment
- D

**Section 4-3**

- \$558.46
- \$153.95
- \$369.19
- \$99.83
- \$12.36
- B

**Section 4-4**

- \$153.25
- \$291.33
- \$222.80
- \$588.87
- \$2,115.70
- \$753.23
- B

**Section 4-5**

- \$6.50
- +\$1.22
- \$489.74
- +\$523.64
- \$992.36
- \$992.36
- D

**Section 4-6**

- \$6.50
- That she paid six bills online this month.
- \$13.00
- \$583.92
- It will be overdrawn and she will be charged a \$25 overdraft fee.
- B

**Chapter 4 Review**



**Section 5-1**

- \$209.95
- \$642.32
- \$407.21, \$361.71
- \$256.06, \$228.31
- C

**Section 5-2**

- Four hundred sixty-three and 39/100 dollars
- \$579.48
- May 14, 2003
- 5579182
- No, she forgot to write the seventy-five cents as a fraction
- Yes
- D

**Section 5-3**

- \$400.20
- \$990.45
- \$958.68
- \$3,503.78
- \$1,663
- \$750
- \$1.97
- \$1,390.43
- B

**Section 5-4**

- \$18.75
- \$6.06
- \$31.13
- \$7.52
- \$2.93
- \$4.57
- \$7.50
- D

**Section 5-5**

- a. \$9.38, b. \$759.38, c. \$9.49 d. \$768.87
- a. \$51.51, b. \$1,636.51, c. \$53.19, d. \$1,689.70
- a. \$24.77, b. \$7,951.27, c. \$24.85, d. \$7,976.12
- a. \$800.86, b. \$17,228.68, c. \$839.89, d. \$18,068.58
- C

**Section 5-6**

1. a. \$1,159.24, b. \$334.24
2. a. \$4,485.56, b. \$1,347.71
3. \$133.17
4. \$144.64
5. A

**Section 5-7**

1. a. \$14,242.74, b. \$42.74
2. a. \$758.41, b. \$3.41
3. a. \$3,174.44, b. \$47.44
4. \$7.55
5. \$4.29
6. \$628.78
7. A

**Section 5-8**

1. a. 1.5%, b. 12, c. \$13.04121, d. \$6,520.61, e. \$6,618.42
2. a. 3%, b. 10, c. \$11.46388, d. \$8,597.91, e. \$8,855.85
3. a. 5%, b. 15, c. \$21.57856, d. \$31,181.02, e. \$32,740.07
4. \$6,789.54
5. B

**Chapter 5 Review**

1. \$49.08, \$0.00
2. \$6.88, \$27.52
3. \$15.83 and \$543.85; \$16.30 and \$559.65
4. \$206.35
5. \$6,878.33; \$878.33

**Section 6-1**

1. \$30
2. \$78.65
3. \$55.65
4. \$102.66
5. \$8.38
6. \$51.34
7. \$172.64
8. A

**Section 6-2**

1. a. \$0.85, b. \$17.80
2. a. \$21.95, b. \$420.95
3. a. \$91.73, b. \$1,620.48

4. a. \$1,073.82, b. \$18,254.99
5. \$60.96
6. \$287.09
7. \$642.41
8. B

**Section 6-3**

1. \$0.235 per ounce
2. \$0.795 per pen
3. \$1.94
4. \$0.333, \$0.316
5. \$29.97
6. \$0.052 per ounce
7. \$0.022 per plate
8. C

**Section 6-4**

1. a. \$0.206 per ounce, b. \$0.166 per ounce, c. the 30-ounce box
2. a. \$0.248 per pen, b. \$0.199 per pen, c. the 10-pack of pens
3. a. \$1.75 per slice, b. \$1.56 per slice, c. the large cheese pizza
4. a dozen brownies
5. the 6-pack
6. the 12-pack
7. the 250-count package
8. B

**Section 6-5**

1. \$1.54
2. \$1.25
3. \$5.29
4. \$124.54
5. \$2.80
6. \$6.13
7. \$2.43
8. D

**Section 6-6**

1. \$0.73
2. \$2.25
3. \$19.65
4. \$85.80
5. \$0.22
6. \$1.19

7. \$0.51
8. C

**Section 6-7**

1. \$25.51
2. \$140.06
3. \$31.88
4. \$343.20
5. \$1.10, 25.1%
6. 24.6%
7. \$7.70
8. C

**Chapter 6 Review**

1. \$121.29
2. the 7-day cruise
3. \$50.94
4. \$899.94
5. \$169.80
6. \$679.20
7. \$629.20
8. \$680.14

**Section 7-1**

1. \$217.50
2. \$187.47
3. \$855.67
4. \$1,094.37
5. \$51.71
6. \$126.06
7. A

**Section 7-2**

1. a. \$300, b. \$5.25, c. \$372.75
2. a. \$155, b. \$2.71, c. \$255.40
3. a. \$741.73, b. \$12.98, c. \$1,110.60
4. a. \$1,727.56, b. \$30.23, c. \$2,326.73
5. \$0.57
6. \$2.72
7. D

**Section 7-3**

1. \$7,069.12
2. \$191.82
3. \$2,493.66
4. 30
5. \$9,754.60

6. \$325.15
7. \$4.88
8. C

#### Section 7-4

1. \$3,729.92
2. \$5,336.73
3. \$3,483.61
4. 30
5. \$12,550.26
6. \$418.34, \$6.28, \$274.25
7. C

#### Chapter 7 Review

1. \$0.33
2. By paying your entire balance each month
3. \$1.28
4. \$2.58
5. average-daily-balance method where no new purchases are included
6. \$165.76

#### Section 8-1

1. a. \$3.65, b. \$753.65
2. a. \$14.38, b. \$1,264.38
3. a. \$33.04, b. \$2,791.04
4. a. \$187.58, b. \$9,316.58
5. \$388.89
6. \$240.41
7. \$3,265.42
8. D

#### Section 8-2

1. a. 30%, b. \$3,640
2. a. 20%, b. \$6,616
3. a. \$960, b. \$3,840
4. a. \$3,238.90, b. \$6,015.10
5. \$8,000
6. \$1,170
7. \$2,400
8. B

#### Section 8-3

1. a. 8.70, b. \$130.50, c. \$1,566, d. \$66
2. a. 4.61, b. \$147.52, c. \$3,540.48, d. \$340.48
3. a. 3.32, b. \$260.62, c. \$9,382.32, d. \$1,532.32

4. a. 2.49, b. \$303.16, c. \$14,551.68, d. \$2,376.68
5. \$2,624
6. \$8,845.20
7. C

#### Section 8-4

1. a. \$18.33, b. \$220.92, c. \$2,529.08
2. a. \$41.54, b. \$154.11, c. \$3,999.89
3. a. \$61.66, b. \$314.04, c. \$7,906.94
4. a. \$105.80, b. \$336.26, c. \$11,205.74
5. \$83.33, \$170.67
6. \$7,619.04
7. \$16.32
8. B

#### Section 8-5

1. a. \$9.64, b. \$973.64
2. a. \$10.18, b. \$1,537.18
3. a. \$14.04, b. \$1,885.44
4. a. \$19.63, b. \$2,375.35
5. C

#### Section 8-6

1. a. \$5.50, b. 10%
2. a. \$3.31, b. 11.25%
3. a. \$12.98, b. 12%
4. a. \$9.35, b. 11.5%
5. 10.75%
6. 12%
7. 12.25%
8. B

#### Chapter 8 Review

1. Ordinary
2. Finance
3. installment
4. maturity
5. percentage
6. repayment
7. down payment
8. interest
9. single-payment
10. principal
11. term
12. Exact

#### Section 9-1

1. \$12,770
2. \$17,747
3. \$26,618
4. \$10,960
5. \$20,658
6. C

#### Section 9-2

1. \$10,943.25
2. \$15,892.89
3. \$22,766.25
4. \$9,863.66
5. \$60,171.96
6. A

#### Section 9-3

1. \$10,475
2. \$14,626
3. \$18,760
4. \$7,083
5. C

#### Section 9-4

1. \$585.60, \$878.40
2. \$546.40, \$928.88
3. \$388.00, \$931.20
4. \$220.80, \$662.40
5. A

#### Section 9-5

1. a. \$2,400, b. \$0.24
2. a. \$2,810, b. \$0.22
3. a. \$4,046, b. \$0.27
4. a. \$2,258.25, b. \$0.25
5. \$0.34
6. B

#### Section 9-6

1. a. \$6,216, b. \$6,781
2. a. \$6,444, b. \$7,519
3. a. \$10,464, b. \$12,153.75
4. a. \$19,740, b. \$21,743.37
5. \$13,294.50
6. \$15,336.32
7. D

#### Section 9-7

1. a. \$84.17, b. \$0.48
2. a. \$146.88, b. \$0.51
3. a. \$194.39, b. \$0.50

4. a. \$122.16, b. \$0.30
5. the large van
6. \$0.51
7. D

### Chapter 9 Review

1. \$12,825
2. \$11,497.30
3. A figure between the answers for 1 and 2
4. \$9,095
5. \$15,016
6. \$15,342.60
7. \$0.18 a mile

### Section 10-1

1. a. \$34,375, b. \$103,125
2. a. \$41,057.50, b. \$108,242.50
3. a. \$63,791.67, b. \$127,583.33
4. a. \$44,833.80, b. \$179,335.20
5. \$39,500, \$59,250
6. \$174,375
7. \$232,000
8. B

### Section 10-2

1. a. \$696, b. \$125,280, c. \$50,280
2. a. \$798.56, b. \$191,654.40, c. \$99,654.40
3. a. \$1,118.37, b. \$402,613.20, c. \$225,655.20
4. \$558.53, \$167,559
5. 10.5% for 25 years
6. A

### Section 10-3

1. \$4,649.50
2. \$3,742.51
3. \$5,946.39
4. \$5,231.25, \$179,606.25
5. C

### Section 10-4

1. a. \$387.50, b. \$46.50, c. \$61,953.50

2. a. \$616.25, b. \$84.97, c. \$86,915.03
3. a. \$732.29, b. \$130.74, c. \$92,369.26
4. a. \$965.63, b. \$51.75, c. \$115,823.25
5. \$523.62, \$91.59
6. \$1,365.24, \$1,240, \$185,874.76
7. D

### Section 10-5

1. \$4,200
2. \$2,817.50
3. \$4,115.81
4. \$5,442.80
5. \$43,900; \$2,831.55
6. \$15,945.60
7. A

### Section 10-6

1. \$105,600
2. \$9,265
3. \$20,400
4. \$84,468.75
5. \$5,950
6. C

### Section 10-7

1. \$508
2. \$298
3. \$307
4. \$931
5. \$490
6. \$798
7. A

### Section 10-8

1. \$525
2. \$997.50
3. \$418.25
4. \$1,546.30
5. B

### Chapter 10 Review

1. \$772
2. No, you cannot afford to make the payment.
3. \$700

4. Yes, the monthly mortgage price falls in your budget, with room to spare.
5. \$724.50
6. Yes, the monthly mortgage payment still falls within your budget.
7. \$312.50, \$37.42
8. No, the mortgage amount is now out of your monthly budget range.

### Section 11-1

1. a. \$480, b. \$40
2. a. \$630, b. \$52.50
3. a. \$1,118.75, b. \$93.23
4. a. \$908.33, b. \$75.69
5. \$937.50
6. D

### Section 11-2

1. a. \$50, b. \$500, c. \$800
2. a. \$80, b. \$1,125, c. \$1,705
3. a. \$100, b. \$1,650, c. \$2,500
4. a. \$120, b. \$2,743.75, c. \$3,863.75
5. C

### Section 11-3

1. a. 55, b. \$2.13, c. \$117.15
2. a. 75, b. \$2.70, c. \$202.50
3. a. 100, b. \$8.81, c. \$881
4. a. 150, b. \$9.71, c. \$1,456.50
5. 9.31%
6. 36.16%
7. \$73.50
8. C

### Section 11-4

1. a. 75, b. \$9.25, c. \$693.75, d. \$58.97
2. a. 150, b. \$21.50, c. \$3,225, d. \$274.13
3. a. 225, b. \$45.75, c. \$10,293.75, d. \$874.97

4. a. 275, b. \$46.50,  
c. \$12,787.50,  
d. \$1,086.94
5. \$37.50, \$450
6. \$600
7. D

### Chapter 11 Review

1. \$47.12
2. \$9.42
3. \$1,084.80
4. \$5,828
5. \$213
6. \$354
7. \$950
8. \$2,550

### Section 12-1

1. a. \$7,476.34, b. \$1,476.34
2. a. \$11,257.02,  
b. \$1,757.02
3. a. \$12,456.37, b. \$456.37
4. a. \$27,067.42,  
b. \$1,317.42
5. 5.25% compounded  
quarterly, \$17.07
6. \$31,724.65, \$6,724.65
7. C

### Section 12-2

1. a. \$5,282.04, b. \$282.04,  
c. 5.641%
2. a. \$10,171.84, b. \$471.84,  
c. 4.864%
3. a. \$11,764.86,  
b. \$514.86, c. 4.577%
4. a. \$15,675.01,  
b. \$800.01, c. 5.378%
5. 5.378%, 5.354%
6. 3.25% compounded  
quarterly
7. 5.615%
8. C

### Section 12-3

1. a. \$14,250, b. \$14,350
2. a. \$21,550, b. \$21,800
3. a. \$15,656.25,  
b. \$15,812.81

4. a. \$56,503.75,  
b. \$56,580.25
5. \$2,873.72
6. \$6,360
7. \$2,630
8. A

### Section 12-4

1. 1.663%
2. 1.603%
3. 1.982%
4. 1.133%
5. \$76.50, 2.702%
6. \$180, 2.857%
7. 2.556%, 2.224%
8. D

### Section 12-5

1. a. \$2,940, b. \$90 profit
2. a. \$12,825, b. \$300 loss
3. a. \$4,835.75,  
b. \$529.25 loss
4. \$2,742.50, \$117.50 profit
5. \$6,170.05, \$139.90 loss
6. A

### Section 12-6

1. a. \$3,010, b. \$280,  
c. 9.30%
2. a. \$11,100, b. \$900,  
c. 8.11%
3. a. \$3,570, b. \$236.25,  
c. 6.62%
4. a. \$5,868.84, b. \$485.10,  
c. 5.58%
5. \$5,100.50, \$362.50
6. B

### Chapter 12 Review

1. The 1-year CD, \$103.80
2. The 4-year CD, \$1,038.11
3. 6.136%, 6.136%
4. The 1-year CD
5. 1.515%
6. \$248.50 (profit)
7. \$300, 6.22%

### Section 13-1

1. \$17,867
2. \$5,218
3. \$14,221

4. \$19,932
5. \$15,411
6. C

### Section 13-2

1. \$32,960
2. \$36,925
3. \$38,906.25
4. \$63,150
5. B

### Section 13-3

1. 32.5%
2. 30%
3. 28.4%
4. 25.5%
5. \$13,801.69, 23%
6. C

### Section 13-4

1. a. \$27,720, \$2,310
2. a. \$35,360, b. \$2,946.67
3. a. \$27,740, b. \$2,311.67
4. a. \$24,987.03,  
b. \$2,082.25
5. \$531
6. \$3,689.40
7. B

### Section 13-5

1. \$2,764.80
2. \$1,920.67
3. \$1,067.48
4. a. \$378, b. 0.8%, c. \$56
5. a. \$259, b. 2.5% c. \$175
6. a. \$291.90, b. 2%, c. \$139
7. A

### Section 13-6

1. a. \$14, \$31
2. a. \$26.60, b. \$134.10
3. a. \$43.96, b. \$256.84
4. a. \$61.04, b. \$400.20
5. \$57.44
6. C

### Section 13-7

1. \$550
2. \$1,700
3. \$2,535
4. \$1,119.95

5. \$1,872
6. A

**Chapter 13 Review**

1. \$26,375
2. \$4,690.26
3. 17.8%
4. \$31,065.26
5. \$2,478.06
6. \$33,543.32
7. \$530.18
8. \$34,073.50

**Section 14-1**

1. a. \$0.099, b. \$0.40, c. \$0.499
2. a. \$0.06, b. \$0.272, c. \$0.332
3. a. \$0.07, b. \$0.102, c. \$0.172
4. a. \$0.069, b. \$0.005, c. \$0.074
5. \$0.607
6. D

**Section 14-2**

1. 204,839
2. 664,286
3. 428,977
4. 253,855
5. 3,966,667
6. 1,173,469
7. 38
8. C

**Section 14-3**

1. a. 2.4%, b. in control
2. a. 4.8%, b. out of control
3. a. 2.67%, b. in control
4. a. 4.67%, b. out of control
5. 3.92%; in control
6. B

**Section 14-4**

1. 24
2. 26.37
3. 17.14
4. 720
5. 132
6. 33.85

7. C

**Section 14-5**

1. 38.89%
2. 47.22%
3. 8.33%
4. 5.56%
5. 41.18%
6. 26.47%
7. C

**Section 14-6**

1. 24 inches
2. 2 inches
3. 26 inches
4. 54 inches
5. 1/2 inch
6. 1 inch
7. 55 1/2 inches
8. 72 inches
9. 3/4 inches
10. 1 inch
11. 73 3/4 inches
12. Length: 73 3/4 inches,  
Width: 55 1/2 inches,  
Height: 26 inches
13. B

**Chapter 14 Review**

1. defective
2. Packaging
3. time study
4. Variable
5. quality control
6. prime cost
7. Length, Width, Height
8. dimensions
9. material
10. break-even
11. labor
12. total



**Section 15-1**

1. a. \$75, b. \$175
2. a. \$390, b. \$585
3. a. \$201.44, b. \$531.06
4. a. \$182.25, b. \$307.02
5. \$936.75
6. \$830.61
7. \$1,914.25
8. C

**Section 15-2**

1. a. 70%, b. \$350
2. a. 75%, b. \$738.75
3. a. 67.5%, b. \$282.15
4. a. 77.25%, b. \$103.26
5. 75%
6. \$638.21
7. 65%
8. D

**Section 15-3**

1. a. \$15, b. 23.08%
2. a. \$17, b. 14.78%
3. a. \$55.50, b. 28.03%
4. a. \$61.19, b. 25.74%
5. 35.04%
6. 21.86%
7. 23.6%
8. C

**Section 15-4**

1. a. \$187.50, b. \$562.50, c. \$112.50, d. \$450
2. a. \$446.25, b. \$828.75, c. \$82.88, d. \$745.87
3. a. \$397.60, b. \$1,590.40, c. \$318.08, d. \$1,272.32
4. a. \$94.12, b. \$533.34, c. \$53.33, d. \$480.01
5. \$1,351.98
6. \$1,877.44
7. C

**Section 15-5**

1. a. 67.5%, b. \$506.25, c. 32.5%, d. \$243.75
2. a. 56%, b. \$518.00, c. 44%, d. \$407.00
3. a. 68%, b. \$735.76, c. 32%, d. \$346.24

- a. 48.75%, b. \$643.48, c. 51.25%, d. \$676.47
- 36.25%; \$1,067.56
- D

#### Section 15-6

- a.  $\frac{3}{25}$ , b.  $\frac{4}{14}$ , c. \$5.82, d. \$285.18
- a.  $\frac{4}{27}$ , b.  $\frac{5}{12}$ , c. \$10.95, d. \$536.55
- a.  $\frac{5}{22}$ , b.  $\frac{6}{6}$ , c. \$3.82, d. \$382.44
- $\frac{7}{1}$ , b.  $\frac{7}{21}$ , c. \$58.04, d. \$1,876.71
- \$387.10; \$391.05
- C

#### Section 15-7

- a.  $\frac{2}{10}$ , b.  $\frac{3}{2}$ , c. \$15.00, d. \$735.00
- a.  $\frac{3}{15}$ , b.  $\frac{4}{4}$ , c. \$24.00, d. \$1,176.00
- a.  $\frac{5}{10}$ , b.  $\frac{5}{30}$ , c. \$82.50, d. \$2,750.00
- \$383.15; \$395.00
- B

#### Chapter 15 Review

- \$416.08
- 85%
- \$298.86
- 68%
- 32%
- \$140.64
- \$292.88
- $\frac{6}{10}$ ,  $\frac{6}{30}$

#### Section 16-1

- \$40
- \$296
- \$49.95
- \$72.29
- \$0.35, \$3.27
- \$2,193.00
- \$27.50
- B

#### Section 16-2

- 20.10%
- 22.86%

- 16.65%
- 12.05%
- 18.80%, 16.39%
- 19.92%
- 32.95%
- C

#### Section 16-3

- \$7.50
- \$9.00
- \$10.75
- \$38.89
- \$0.75
- \$378.36
- \$84.31
- C

#### Section 16-4

- a. \$15, b. 10%
- a. \$18.75, b. 8.33%
- a. \$42.10, b. 10.07%
- a. \$141.77, b. 14.18%
- 7.92%
- A

#### Section 16-5

- a. 70%, b. \$142.86
- a. 75%, b. \$300
- a. 65%, b. \$599.23
- a. 60%, b. \$938.32
- \$5.10
- \$344.83
- A

#### Section 16-6

- a. \$0.70, b. 21.28%
- a. \$24.75, b. 46.92%
- a. \$128.82, b. 54.89%
- a. \$340.86, b. 40.26%
- 43.23%
- 61.32%
- \$120, \$370
- C

#### Section 16-7

- a. \$88.20, b. \$186.20
- a. \$249.70, b. \$476.70
- a. \$414.06, b. \$732.57
- a. \$832.32, b. \$1,259.15
- \$6.25

- \$15,326.85
- \$3.60
- B

#### Section 16-8

- a. \$15.00, b. 30%
- a. \$12.25, b. 14%
- a. \$51.30, b. 25.81%
- a. \$78.24, b. 13.65%
- 15.12%
- 11.39%
- 22.08%
- A

#### Chapter 16 Review

- \$0.84
- 39.90%
- \$1.46
- \$0.32
- 7.66%
- \$1.28
- 62.91%
- \$5.99
- \$12.65
- 20.09%

#### Section 17-1

- 36%
- 39.6%
- 21.95%
- 34.28%
- 23,713
- 36.02%
- C

#### Section 17-2

- a. 17.5%, b. 437,500
- a. 51.5%, b. 515,000
- a. 33.49%, b. 1,674,500
- a. 29.27%, b. 6,194,703
- 35.05%
- 9,260,517
- D

#### Section 17-3

- 22.22%
- 28.58%
- 25.49%
- 23.57%
- 13.74%



6. 10.99%
7. 15.71%
8. D

#### Section 17-4

1. Approx. \$31,000
2. Approx. \$35,000
3. Approx. \$39,000
4. Approx. \$44,000
5. Approx. \$8.1 million
6. Approx. \$10 million
7. C

#### Section 17-5

1. \$750,000
2. \$726,250
3. \$1,003,819
4. \$898,271
5. \$279,248
6. \$1,445,000,000
7. C

#### Section 17-6

1. a. \$38.53, b. \$462.36
2. a. \$29.59, b. \$1,035.65
3. a. \$28.25, b. \$1,130
4. a. \$23.74, b. \$1,578.71
5. \$2,987.18
6. \$3,501
7. C

#### Section 17-7

1. \$10,000
2. \$9,000
3. \$192,500
4. \$482,625
5. \$420,000
6. B

#### Section 17-8

1. a. \$1.00, b. \$2.50, c. \$1,125,000
2. a. \$1.56, b. \$3.71, c. \$1,703,200
3. a. \$3.18, b. \$6.27, c. \$1,415,150
4. B

#### Chapter 17 Review

1. 38.27%
2. 210,500

3. 16.96%
4. 34,375
5. \$3,737.30
6. \$105,000
7. \$85,000
8. \$45.00

Puzzle Answer: MARKETING STRATEGY

#### Section 18-1

1. 578.7 cubic ft
2. 15.63 cubic ft
3. 120 cubic ft
4. 2,250 cubic ft
5. 127.6
6. 384,000, 222.22
7. 34
8. A

#### Section 18-2

1. a. 93
2. a. 93, b. 78
3. a. 78, b. 86
4. a. 86, b. 64
5. 750
6. 26
7. B

#### Section 18-3

1. 33
2. \$16,075
3. \$487.12
4. \$5,845.44
5. A

#### Section 18-4

1. 2,565
2. \$15,120
3. \$15,570.63
4. \$59,866.22
5. \$13,600
6. \$5,220
7. D

#### Section 18-5

1. a. \$155.85, b. \$779.25
2. a. \$127.75, b. \$958.13
3. a. \$121.62, b. \$1,004.58
4. a. \$46.00, b. \$624.68
5. \$4,217.50; \$3,239.25
6. \$1,485.94

7. \$1,235.05
8. B

#### Section 18-6

1. a. \$1.74/mile, b. \$170.52, c. \$220.52
2. a. \$1.83/mile, b. \$223.26, c. \$298.26
3. a. \$2.42/mile, b. \$527.56, c. \$672.56
4. a. \$3.32/mile, b. \$225.00, c. \$415.00
5. \$3,109.71
6. \$381.50
7. D

#### Chapter 18 Review

(Answers will vary from student to student.)

1. length  $\times$  width  $\times$  height
2. length  $\times$  width  $\times$  height
3.  $50 \times$  answer to Problem 2
4.  $(100 \times$  answer to Problem 2)  $\div 1,728$
5. (answer to Problem 1  $\times 1,728$ )  $\div$  answer to Problem 2
6.  $x - \frac{1}{2}x + 4$
7. total of prices of 4 items  $\div 4$
8. answer to Problem 7  $\times 2$
9. value of the clothing  $\times 15\%$

#### Section 19-1

1. a. 340 sq ft, b. \$255
2. a. 1,000 sq ft, b. \$708
3. a. 1,375 sq ft, b. \$1,404
4. a. 731.25 sq ft, b. \$716
5. \$3,000
6. the beach home
7. C

#### Section 19-2

1. a. \$72, b. \$372
2. a. \$620, b. \$795
3. a. \$235, b. \$235
4. a. \$426.38, b. \$2,101.38
5. C

**Section 19-3**

- a. \$58.90, b. \$117.80
- a. \$57.38, b. \$180.75
- a. \$115.83, b. \$493.44
- a. \$212.05, b. \$1,348.62
- \$3,291.36
- \$225.60
- D

**Section 19-4**

- \$109.35
- \$265.05
- \$144.48
- \$136.14
- B

**Section 19-5**

- \$1,856.25
- \$1,571.60
- \$3,099.75
- C

**Section 19-6**

- \$6,875
- \$1,665
- \$7,500
- \$70,125
- \$4,940
- D

**Chapter 19 Review**

- \$1,406.25
- \$1,368.00
- \$1,144.80
- \$76.69
- \$1,077.05
- \$5,072.79

**Section 20-1**

- a. \$94.78, b. \$425.22
- a. \$97.87, b. \$397.13
- a. \$135.49, b. \$511.51
- a. \$48.33, b. \$269.67
- a. \$367.50, b. \$15.00, c. \$22.79, d. \$5.33, e. \$46.80, f. \$320.70
- a. \$448.00, b. \$52.00, c. \$27.78, d. \$6.50, e. \$93.00, f. \$355.00

- a. \$612.50, b. \$22.00, c. \$37.98, d. \$8.88, e. \$76.52, f. \$535.98
- a. \$1,428.00, b. \$89.00, c. \$88.55, d. \$20.71, e. \$216.32, f. \$1,211.68
- B

**Section 20-2**

- 54.79%
- 13.58%
- 5%
- 2.72%
- 9.57%
- 14.34%
- A

**Section 20-3**

- \$6,120
- \$7,344
- \$6,732
- \$10,404
- \$520
- \$260
- \$227.50
- D

**Section 20-4**

- \$3,625
- \$3,720
- \$2,011.25
- \$307.80
- \$8,290
- \$568,562.50
- D

**Section 20-5**

- a. \$3,061, b. \$3,061, c. \$15,933
- a. \$3,061, b. \$6,122, c. \$12,872
- a. \$3,061, b. \$9,183, c. \$9,811
- a. \$3,061, b. \$12,244, c. \$6,750
- a. \$10,600, b. \$10,600, c. \$26,200
- a. \$10,600, b. \$21,200, c. \$15,600

- a. \$10,600, b. \$31,800, c. \$5,000
- B

**Section 20-6**

- a. \$13,000, b. \$20,800, c. \$12,480, d. \$7,488, e. \$7,488, f. \$3,744
- a. \$7,500, b. \$12,000, c. \$7,200, d. \$4,320, e. \$4,320, f. \$2,160
- a. \$5,677.00, b. \$9,083.20, c. \$5,449.92, d. \$3,269.95, e. \$3,269.95, f. \$1,634.98
- a. \$299.40, b. \$479.04, c. \$287.42, d. \$172.45, e. \$172.45, f. \$86.23
- C

**Chapter 20 Review**

- a. \$465, b. \$61, c. \$28.83, d. \$6.74, e. \$13.95, f. \$4.65, g. \$26, h. \$323.83
- a. \$1,000, b. \$1,000
- a. \$199, b. \$199
- \$399
- \$286.85

**Section 21-1**

- \$70,000
- \$75,250
- \$17,173
- \$347,600
- B

**Section 21-2**

- a. \$44,650, b. \$23,000, c. \$21,650
- a. \$183,686, b. \$142,385, c. \$41,301
- a. \$101,490, b. \$27,247, c. \$74,243
- a. \$177,047, b. \$150,000, c. \$27,047
- B

**Section 21-3**

- \$30,000
- \$41,775

3. \$75,706
4. \$205,552
5. \$358,519
6. D

**Section 21-4**

1. a. \$14,980, b. \$5,980, c. \$2,730
2. a. \$44,614, b. \$20,458, c. \$7,190
3. a. \$92,411, b. \$41,013, c. \$18,752
4. a. \$318,516, b. \$121,282, c. \$34,710
5. B

**Section 21-5**

1. 22%
2. 34.09%
3. a. 2.5:1, b. 1.9:1
4. a. 2.1:1, b. 1.3:1
5. C

**Section 21-6**

1. 7.69%
2. -11.02%
3. 4.46%
4. a. \$-4,857, b. -2.37%
5. a. \$4,435, b. 3.21%
6. a. \$-9,292, b. -13.89%
7. a. \$4,959, b. 13.65%
8. a. \$-14,251, b. 46.61%
9. B

2. \$88,000
3. Income:

Sales	\$150,000
Less: Sales returns and allowances	1,500
Net sales	148,500
Cost of goods sold	88,000
Gross profit on sales	60,500
Operating Expenses:	
Total operating expenses	35,000
Net Income	\$25,500

4. 59.26%
5. 1.2:1
6. 1.05:1
7. 17.65%

**Section 22-1**

1. a. \$45,000, b. \$6,750
2. a. \$63,000, b. \$10,750
3. a. \$152,500, b. \$42,725
4. a. \$12,072,500, b. \$4,125,375
5. D

**Section 22-2**

1. a. \$65,000, b. \$115,000, c. \$885,000, d. \$0.58
2. a. \$45,000, b. \$75,500, c. \$674,500, d. \$1.51
3. a. \$750,000, b. \$1,000,000, c. \$9,000,000, d. \$2.00

4. a. \$376,250, b. \$503,845, c. \$4,871,155, d. \$1.55
5. \$340,000
6. C

**Section 22-3**

1. a. \$1,875.00, b. \$76,875.00
2. a. \$2,708.33, b. \$127,708.33
3. a. \$7,026.25, b. \$207,776.25
4. a. \$5,335.66, b. \$280,724.66
5. \$192,708.33
6. B

**Section 22-4**

1. a. \$541.67, b. \$99,488.33, c. 3.267%
2. a. \$1,131.25, b. \$148,903.75, c. 2.735%

**Chapter 21 Review**

Your New Business  
Balance Sheet  
December 31, 20--

	<b>Assets</b>		<b>Liabilities</b>
1.	Cash \$ 44,875		Merchandise payable \$ 7,500
	Supplies 5,000		Bank loan 25,000
	Merchandise 7,500		Taxes payable 3,475
	Inventory 22,375		Real estate loan <b>715,000</b>
	Land 15,000		Total Liabilities \$210,975
	Building <b>150,000</b>		
	Total Assets \$244,750		<b>Owner's Equity</b>
			Capital <b>33,775</b>
			Total Liabilities and
			Owner's Equity \$244,750

3. a. \$1,979.17,  
b. \$198,020.83, c. 2.878%
4. a. \$6,500.69,  
b. \$268,526.81, c. 4.358%
5. B

**Section 22-5**

1. a. \$1,356.67,  
b. \$273,673.33, c. 2.974%
2. a. \$3,718.75,  
b. \$421,316.25, c. 3.531%
3. a. \$872.22, b. \$99,127.78,  
c. 3.168%
4. a. \$1,106.77,  
b. \$73,920.73, c. 4.312%
5. \$244,261.11 cost,  
4.248% yield
6. A

**Section 22-6**

1. \$20,000
2. \$1,500,
3. \$137,100
4. \$18,250
5. D

**Chapter 22 Review**

1. CORPORATE
2. TAXABLE
3. DEDUCTIONS

4. GROSS
5. PROCEEDS
6. SHARES
7. INTEREST
8. MATURITY
9. EXPANSION
10. A HIGH YIELD

**Section 23-1**

1. 5%
2. 15.1%
3. \$265
4. \$15,712.50
5. \$9.85
6. \$24,891.38
7. 825%
8. B

**Section 23-2**

1. a. \$142.5 million,  
b. \$100.00
2. a. \$53,730,625, b. \$6.60
3. a. \$628.875 billion,  
b. \$3,611.11
4. a. \$815,499,000, b. \$96.72
5. a. \$88,902,000,000,  
b. \$30.00
6. a. \$76,690,500,  
b. \$29.29

7. \$97,512,600,000
8. C

**Section 23-3**

1. 150
2. 128
3. \$192,875
4. \$5,426.25
5. \$140.76
6. \$2.35
7. \$1,203.22
8. D

**Section 23-4**

1. a. \$30,000, b. +\$5,000]
2. a. \$100,000, b. -\$5,000
3. a. \$45,125, b. -\$125
4. a. \$88,126.20,  
b. +\$1,873.80
5. B

**Chapter 23 Review**

1. 50%
2. \$1.35
3. \$25,792
4. \$119.80
5. \$14,000
6. 1965
7. Current year - 1965