

## Section 2.2 Extra Practice

1. For the following addition and subtraction questions,
  - i) estimate the sum or difference
  - ii) calculate the answer
    - a)  $0.56 + (-3.14)$
    - b)  $-6.92 + (-8.02)$
    - c)  $7.82 - 5.37$
    - d)  $-2.75 - (-4.13)$
    - e)  $-0.741 + 1.982$
    - f)  $0.594 - (-0.085)$
2. For the following multiplication and division questions,
  - i) estimate the product or quotient
  - ii) calculate the answer. Express your answer to the nearest thousandth, if necessary.
    - a)  $-4.2 \times 6.5$
    - b)  $-5.1 \times (-9.3)$
    - c)  $-1.68 \div (-1.4)$
    - d)  $35.7 \div (-4.2)$
    - e)  $(2.7)(-4.2)$
    - f)  $-8.83 \div (-0.33)$
    - g)  $-6 \div 22$
    - h)  $(-0.29)(-0.91)$
3. i) Estimate. ii) Then, calculate.
  - a)  $-6.2 + (-0.72) \div (-1.3 + 0.4)$
  - b)  $-2.2 \times (-3.2) + (-0.88) \times 2.3$
  - c)  $-6.2 \times (-4.2) - 1.02 \div 0.51$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 2-7**  
(continued)

*For #4 to 7,*

**a)** *write an expression using rational numbers to represent the problem, then calculate*

**b)** *write a sentence to answer the problem*

- 4.** Camille's chequing account balance is \$135.25. She writes a cheque for the amount of \$159.15. What is the balance in her account now?
- 5.** On a cold winter Monday in Calgary, the temperature reached a high of  $-12^{\circ}\text{C}$ . On Tuesday, the high went up by  $4^{\circ}\text{C}$ . On Wednesday, it went down  $11^{\circ}\text{C}$ . On Thursday, it went up by  $9^{\circ}\text{C}$ . On Friday, it cooled down by  $3^{\circ}\text{C}$ . What was the temperature on Friday?
- 6.** As a fundraiser, the student council ordered 130 birthday cards, with a picture of the school's logo. The cards cost the student council \$1.45 each. They sold 126 cards for \$2.00 each. How much profit did the student council make on their birthday card sale?
- 7.** The hottest day in Canada on record was on July 5, 1937, in Midale and Yellowgrass, Saskatchewan, when the temperature peaked at  $45^{\circ}\text{C}$ . The coldest day in Canada was in Snag, Yukon, at  $-63^{\circ}\text{C}$ . What is the difference in temperature between the hottest day and coldest day in Canada?
- 8.** For each set of numbers, determine
  - (i) the range
  - (ii) the median
  - (iii) the mean

Show your work. Express your answer to the nearest hundredth, if necessary.

**a)** 2.5,  $-8.1$ ,  $-3.2$ , 1.8, 0.6, 5.8,  $-0.5$

**b)**  $-7.3$ , 14.2, 9.1, 12.3,  $-13.7$ , 0, 4.1