

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

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

**adapted from: BLM 1-3**

## Section 1.2 Extra Practice

1. Estimate each answer. Then, use a calculator to determine the exact answer.

a)  $0.56 + (-3.14)$

b)  $-0.741 + 1.982$

2. Estimate each answer. Then, use a calculator to determine the exact answer.

a)  $-4.2 \times 6.5$

b)  $-6 \div 22$

3. Calculate each answer.

a)  $-6.2 + (-0.72) \div (-1.3 + 0.4)$

b)  $-6.2 \times (-4.2) - 1.02 \div 0.51$



*For the following word problems, write an expression using rational numbers to represent the problem. Then calculate the answer and write a concluding sentence.*

4. On a cold winter Monday in Calgary, the temperature reached a high of  $-12$  °C. On Tuesday, the high went up by  $4$  °C. On Wednesday, it went down  $11$  °C. On Thursday, it went up by  $9$  °C. On Friday, it cooled down by  $3$  °C. What was the temperature on Friday?
5. 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?
6. The hottest day in Canada on record was on July 5, 1937, in Midale and Yellowgrass, Saskatchewan, when the temperature peaked at  $45$  °C. The coldest day in Canada was in Snag, Yukon, at  $-63$  °C. What is the difference in temperature between the hottest day and coldest day in Canada?