**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Homework: Subtracting Integers**

**Part 1: Modeling Integer Subtraction (4 marks)**

Draw integer tiles or explain your reasoning to solve:

1. (5) − (+3)
2. (-4) - (-2)
3. (2) - (-5)
4. (−6) − (1)

**Part 2: Subtracting Integers Without Modeling (6 marks)**

Solve each question by applying integer subtraction rules. Show your work.

1. (−8) − (−3) = \_\_\_\_\_\_
2. (7) − (−2) = \_\_\_\_\_\_
3. (−10) – (4)= \_\_\_\_\_\_
4. (−3) − (−7) = \_\_\_\_\_\_
5. (5) − (−6) = \_\_\_\_\_\_
6. (−9) −(−1) = \_\_\_\_\_\_

**Part 3: Identifying Equations from Word Problems (5 marks)**

Write an integer subtraction equation for each situation and solve.

1. A mountain climber is 15 meters above sea level. He descends 30 meters. What is his new position?
2. The temperature was -5°C in the morning. By noon, it dropped 7 more degrees. What is the new temperature?
3. A business had a debt of $500. They paid off $200. What is their new debt?
4. A diver was 40 feet below sea level. He dives 15 feet deeper. What is his new position?
5. The temperature was 12°C in the afternoon. It dropped by 20°C in the evening. What is the new temperature?