Name: _____   Date: _____

Section 9.5 Extra Practice

1. Determine the change in temperature.

Morning Temperature (°C)	Afternoon Temperature (°C)	Change in Temperature (°C)
Example: −15	−3	(−3) − (−15) = (−3) + (+15) = +12
a) −10	−5	
b) −3	+3	
c) +16	+7	
d) +4	−8	

2. Determine the afternoon temperature.

Morning Temperature (°C)	Change in Temperature (°C)	Afternoon Temperature (°C)
Example: −12	+11	(−12) + (+11) = −1
a) −9	+2	
b) +11	+3	
c) −12	−7	
d) +23	−16	

For questions #3 to #5, write the number statement for each part of the question. Then find the sum or difference. The first part of #3 is done for you.

3. A company made a profit of $12 thousand one month and a loss of $2 thousand the next month.

    a) What was the change for the company from the first month to the second month?

    Example: (−2) − (+12) = (−2) + (−12) = −14

    b) How much better was the company's result in the first month than in the second month?

4. The base of a volcano is 2000 m below the surface of the ocean. The peak of the volcano is 7000 m above the surface of the ocean. What is the height of the volcano?

5. The base of a volcano is 3000 m below the surface of the ocean. The total height of the volcano is 5000 m. What is the altitude of the volcano above sea level?