# DO NOT WRITE ON THIS COPY. USE THE ANSWER SHEET PROVIDED!!!

**Chapter 11 (sections 1-3)**

1. –12 + 5

2. –3 + (–7)

3. –3 – (–7)

4. 8 + (–1) + (–3)

5. 10 – (–3)

6. –9 – (–9)

7. You and your friend play a video game. You have a final score of 40 points, and your friend has a final score of –21 points. By how many points did you win?

8. $(-124) + 25 + (-87)$

9. $97 + (-118) + 0$

10. The temperature at 6:00 P.M. was 15°C The temperature dropped 2°C per hour. What was the temperature at 4:00 A.M.?

11. 8 + 6 – 4

12. –5 – 9 – 6

**Evaluate the expression when $a = -48$, $b = 4$, and $c = -3$.**

13. $c + b$

14. $-50 - a$

15. $b - 3$

**Evaluate the expression when $a = -50$, $b = 5$, and $c = -2$.**

16. $c + b$

17. $a - c$

18. $c - 5$

**Complete the statement using <, >, or =.**

19.  4 _____ | −8 |

20.  | −5 | _____ | −10 |

21.  | −3 | _____ 3

22.  0 _____ | 3 |

23.  | −5 | _____ | −9 |

24.  | −6 | _____ 6

25.  5 _____ | −8 |

26.  A scuba diver dives down 20 feet into the ocean. He then swims 11 feet back up towards the surface. What is the position of the scuba diver relative to the surface?

27.  You start hiking at an elevation that is 80 meters below base camp. You increase your elevation by 42 meters. What is the new elevation with respect to base camp?

28.  The temperature falls from 3°C to −4°C. What is the **difference** in these temperatures?

29.  The table shows the temperature in Des Moines, Iowa, for certain times during a particular day.

| Time | 3 A.M. | 8 A.M. | 1 P.M. | 5 P.M. | 10 P.M. |
| --- | --- | --- | --- | --- | --- |
| Temperature | −15°F | −6°F | 22°F | 10°F | −11°F |

    a.   What are the high and low temperatures?

    b.   Find the range of temperatures.(Highest minus lowest)

    c.   Find the change in temperature from 5 P.M. to 10 P.M.Write as an **integer.**

30.  The water level is 3 feet below your dock. The tide goes out, and the water level lowers 1 foot. A storm surge comes in, and the water level rises 2 feet. Write an integer to indicate the new water level.