INTEGERS REVIEW   **Name: _____**

Equations Practice: Complete without a calculator.

1. (−4) + (−8) + 11 =	2. (−4) − (−8) − 2 =
3. 3 + (−11) + 8 =	4. (−2) − (−1) − (−7) =
5. (−4) + 6 + (−3) =	6. 2 − (−5) − 3 =
7. 1 + (−4) + 10 =	8. (−7) − (−7) − 4 =
9. (−5) + (−5) + 1 =	10. (−6) − 4 − (−4) =
Model with Integer Chips: 11. (-8) x (+2) =	Model with a Number Line: 12. (-10) ÷ (+5) =
Model with Integer Chips: 13. (-15) ÷ (-5) =	Model with a Number Line: 14. 10 x (-3) =

Order of Operations:

15. (8 + (-9)) − 5 =   16. (8 x 6 − 5) − 3 =   17. $(\frac{2}{5} + \frac{3}{5}) - (-1) =$

18. 10(2 x -3) + 6 − (-5) =   19. 3 x (-5) ÷ (+5) x 2 + 10 =

Word Problems:

20. Katherine is very interested in cryogenics (the science of very low temperatures). With the help of her science teacher she is doing an experiment on the affect of low temperatures on bacteria. She cools one sample of bacteria to a temperature of -51°C and another to -76°C. What was the temperature difference in the two experiments?

    A) -25
    B) +25
    C) -127
    D) +127

21. A submarine dove 836 ft. It rose at a rate of 22 ft per minute. What was the depth of the submarine after 12 minutes?

    A) 572 ft
    B) 472 ft
    C) 452 ft
    D) -472 ft

22. Because the batteries are low, Darren's watch is losing 9 min every hour. At 8:00 p.m., he sets the watch correctly. What time will his watch show when the correct time is 10:00 a.m. the next day?

23. Rohana earns $50 a week from babysitting. She spends $25, saves $15, and uses the rest to repay a loan of $100 from her sister.

a) After six weeks, how much has Rohana spent, how much has she saved, and how much does she still owe her sister?

b) How many more weeks will Rohana take to pay off the loan?

24. Without solving for the quotients, identify the quotient with the least value. Explain your reasoning.

(+2408) ÷ (+43)

(-2408) ÷ (-43)

(+2408) ÷ (-43)

25. The sum of two integers is +20. Dividing the larger integer by the smaller integer gives a quotient of -3. What are the two integers?