Math 10 – Unit 2 – 2.1 to 2.10
To the Test – be sure to bring:
    (1) your personally-prepared 8 ½ " by 11" study guide for this test
    (2) your simple, non-graphing calculator and
    (3) your pencils

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1. Place the following integers in order from smallest to largest. -9, -13, 12, -12, 8, 2

2. Evaluate: $-\left|-17\right|$ $\left|-17\right|$ $-\left|17\right|$

3. Evaluate: $\left|-7\right|-\left|4\right|$ $\left|-7\right|+\left|-4\right|$

4. Add: $(-25)+17+(-14)+4$

5. Mike has $150 in his checking account. He writes a check for $25 and makes a deposit of $74. What is the resulting balance?

6. Evaluate: $-23-(-9)$ $-9-23$ $9-23$

7. Multiply: $(-12)(-5)$ $(12)(-5)$ $(-12)(5)$

8. Evaluate the expression: $-3^2-6\div3$

9. Evaluate: $\dfrac{-11}{0} =$ $\dfrac{33}{3} =$ $56 \div (-8) =$

10. Evaluate: $\dfrac{-14+(11)(-2)}{-10-2}$

11. Write the following phrase using symbols.

The product of N and 5, divided by the difference of N and 3

12. Write the following phrase using symbols.

The difference of 8 less than a number and 4 more than that same number

13. Evaluate the expression $b(a-c)$ if $a=5$, $b=-3$, and $c=12$.

14. Combine like terms: $6x^2 + 7x - 3x + 2x^2$

15. Use the distributive property to remove the parentheses. Then combine like terms.

$$3(5x+9)+6x$$

16. Is -5   a correct solution for $3x-5=-17$

17. Is -4   a correct solution for $3x-5=-17$

18. Solve the equation for the value of x :

$$25x+8=24x-6$$ $$8x-2=7x+7$$

19. Solve the equation for the value of x :

$$-2(x-3)=1-x$$ $$-(8x+6)=-9x+9$$

20. Solve the equation for the value of x :

$$2(11x-4)-7=3(7x+5)-14$$