Integers **Name**_____

|| Practice Test **Date**_____

1. ***Define “integers”

2. ***How is a sign of value different from a sign of operation?

3. ***Write the six rules for operating with signed numbers.

4. ***Define |x| using mathematical notation.

5. ***Define “origin”

6. ***Some people shorten the multiplication/division rule by saying – same signs positive. Explain why that can mislead students.

7. **Evaluate the following:

a. $|5|$

b. $|-7|$

c. $|-5+3|$

8. **Evaluate the following:

a. -3^2

b. $(-5)^2$

Perform the indicated operations

9. ** $(+6) - (-2)$

10. $(-6)(-5)$**

11. $-3 - 2 - 5$**

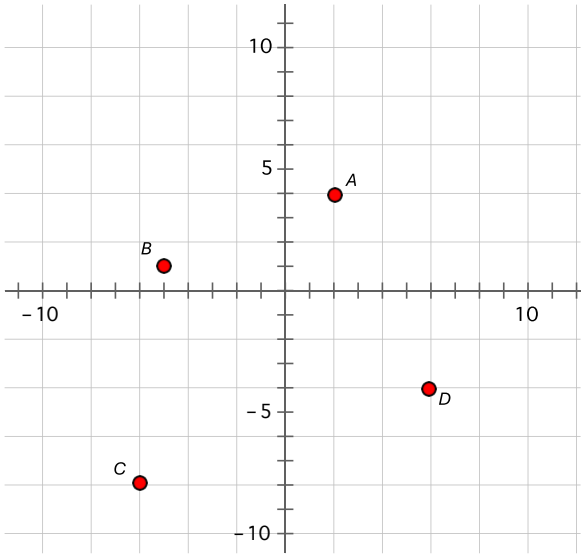
12. $-6(-5) / -10$**

13. $8 - 10 + 3 - 6$**

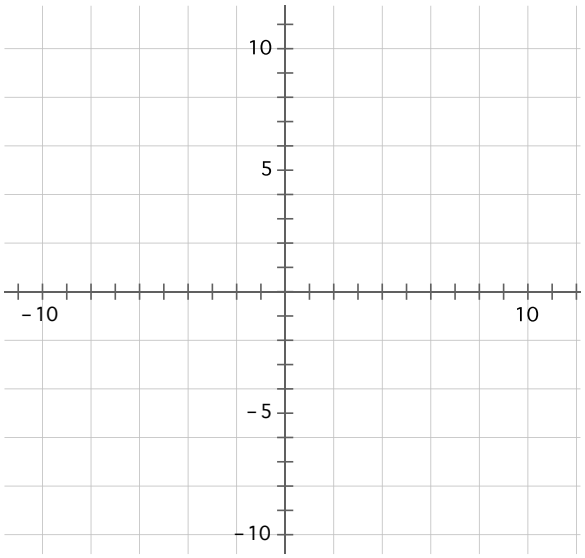
14. $6 + 5(-4) - 2(3)$**

15. In the Cartesian Coordinate System, in what quadrant is (–3, 5) located?**

16. Identify the ordered pairs for points A, B, C and D**



17.* Graph (0, 0), (3, –4), (–2, –5) and (3, –4)



18. * *Caution!* $\frac{4(-5)-10(2)}{-2^2}$

19.* On January 8th, the temperature in Miami was 67° while the temperature in Boston was four below zero. What was the difference in temperatures?

20.* Bob had $250 in his savings account on July 1st. If he wrote checks for $110, $165, and $85 during that month and made 2 deposits, one for $100, the second for $75, what is his balance at the end of the month?

21.* The stock market dropped 20 points for 3 days, then rose 10 points per day for 2 days. What is the net change?

22. *ACT At the beginning of the month, you had $50 in your checking account, you wrote 2 checks, one for $20 and another for $35, you then deposited $80 and wrote another check for $70 then deposited $30. What's your current balance?

23. *SAT The sum of three consecutive even numbers is 72. What is the greatest of the three integers

24.* Provide parent/guardian contact information: home phone or address, cell or email. (CHP)**