

Name

PA Test 1,1

McDougal

Date

Definitions

1. Exponent
2. In the number  $5^3$ , read five to the third power or five cubed, the 5 is called the \_\_\_\_\_.
3.  $|n| =$
4. Write the Order of Operations
5. Write the 6 rules for working with integers.

6. Simplify  $5^3$

7. Simplify  $\frac{37 - 24 \div 3 \times 4}{5}$

8. Evaluate the expression when  $x = 3$  and  $y = 5$ ;

$$4x + 3y$$

9. Evaluate the expression when  $a = 4$  and  $b = 6$

$$(a + 2)^2 - 5b$$

10. Evaluate the expression when  $t = .02$  and  $k = 5$

$$3(t^2 + 4k)$$

11. a.  $|35| =$                       b.  $|-14| =$

12. Draw a model for adding  $-5$  and  $+6$ .

Find the sum or difference

13.  $35 + (-11)$

14.  $(-15) + (-5)$

15.  $-8 - 7$

16.  $-17 + 10$

Find the product or quotient

17.  $-5(12)$

18.  $\frac{-32}{-4}$

19.\*\*  $\frac{(-4)(-3)(-5)}{-2^2}$

20.  $(-2)^4$

21. Draw coordinate axes and plot and label the points listed.  
A (3, 4)      B (-2, 3)      C (4, -1)

