

Name: _____

Date: _____ Period: _____

Row: _____

REVIEW WORKSHEET SECTIONS I.1-I.4

Assignment: _____

Write the numbers in increasing order.

9. $\sqrt{3}, -\sqrt{8}, -2.9, 2$

Identify the property shown.

10. $a + (b + c) = a + (c + b)$

11. $a \cdot (b \cdot c) = (b \cdot c) \cdot a$

12. $a + (b + 3) = (a + b) + 3$

13. $b(c + a) = b \cdot c + b \cdot a$

14. $c(a + b) = (a + b)c$

15. $a \cdot b + 0 = a \cdot b$

Perform the given operation. Give the answer with the appropriate unit of measure.

18. $(15 \text{ ounce})\left(\frac{\$3}{1 \text{ ounce}}\right)$

19. $\left(\frac{2 \text{ revolutions}}{\text{second}}\right)\left(\frac{60 \text{ seconds}}{\text{minute}}\right)$

20. **Cheetah's Speed** A cheetah can run $17\frac{1}{2}$ miles in $\frac{1}{4}$ hour. What is the speed of a cheetah in miles per hour?22. **Snail's Speed** A snail can travel about 0.03 miles per hour. Convert this speed into feet per hour. Note that there are 5280 feet in 1 mile. Give your answer to 4 significant digits.**Evaluate the expression.**

7. $(-3)^4$

8. -2^6

9. $-(-2)^5$

11. $14 \div (7 - 5) + 1$

13. $(5 - 2)^3 - 3 \cdot 4$

15. $(5 - 2)^3 \div 9 - 6$

Evaluate the expression for the given value of x .

16. $x(2 + x)$ when $x = -5$

21. $6 - x^3 + x$ when $x = -2$

Evaluate the expression for the given values of x and y .

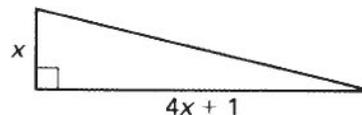
22. $2x + y^3$ when $x = 3$ and $y = -2$

23. $(2y)^3 - 5x$ when $x = 2$ and $y = 1$

25. $\frac{(y - 2)^3}{2x + y}$ when $x = -1$ and $y = 4$

Write an expression for the area of the figure. Then evaluate the expression for the given value(s) of the variable(s).

27. $x = 6$

28. **Photography Studio** A photography studio advertises a session with a sitting fee of \$8.95 per person. The standard package of pictures costs \$29.95. Write an expression that gives the total cost of a session plus the purchase of one standard package. Evaluate the expression if a family of four purchases this package.