Name: _____ Period: 1 3 4 8 (circle one)

Chapter 9 Review

Vocabulary and Concept Check

✓ Choose the correct term or number to complete the sentence

1. The **(Commutative, Associative)** Property states that the order in which numbers are added or multiplied does not change the sum or product.
2. To solve a multiplication equation, you can **(divide, multiply)** to undo the multiplication.
3. A(n) **(function, output)** describes a relationship between two quantities.
4. The equation $2b+3=11$ is an example of a **(one-step, two-step)** equation.
5. A **(function rule, coordinate system)** describes the relationship between each input and output.
6. The Distributive Property sates that when **(multiplying, dividing)** a number by a sum, multiply each number inside the parentheses by the number outside the parentheses.

9.1 Properties

✓ Rewrite each expression using the Distributive Property. Then evaluate.

$4(7+2)$ $(14+9)8$ $(3\times8)+(3\times12)$

✓ Identify the property shown by each equation. Look back at previous homework assignments and notes to help you!

Equation	Name of Property
$14+(11+7)=(14+11)+7$	_____
$(7\times4)\times3=3\times(7\times4)$	_____
$12+15+28=12+28+15$	_____
$(2\times28)\times3=2\times(28\times3)$	_____

(OVER)

9.2 Solving Addition Equations

✓ Solve each equation. Show your work!!!

$c+8=11$ $x+15=14$ $w+13=-25$

$23=h+11$ $19+r=11$ $17+d=-2$

9.3 Solving Subtraction Equations

✓ Solve each equation. Show your work!!!

$z-7=11$ $s-9=-12$ $14=m-5$

$h-2=-9$ $-6=g-4$ $d-1.2=6$

9.4 Solving Multiplication Equations

✓ Solve each equation. Show your work!!!

$4b=32$ $5y=60$ $-18=-6c$

$-3m=21$ $28=-2d$ $-6y=-9$

9.5 Solving Two-Step Equations

✓ Solve each equation. Show your work!!!

$3p-4=8$ $2x+5=3$ $8+6w=50$

$5m+6=-9$ $-15=2t+5$ $6=3y-12$

(OVER)

9.6 Functions

✓ Complete the function table.

Input (x)	**Output** $(x+3)$
-2	
1	
5	

✓ Find the rule for each function table.

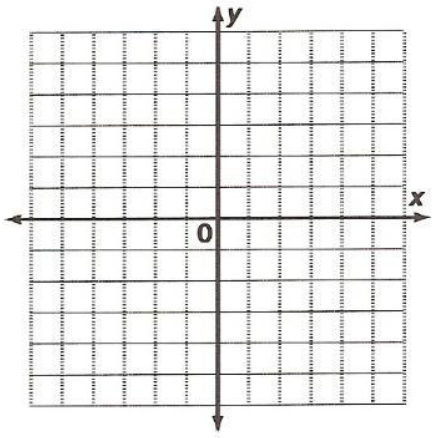
x	_____
-2	2
1	5
4	8

x	_____
-5	-11
0	-1
2	3

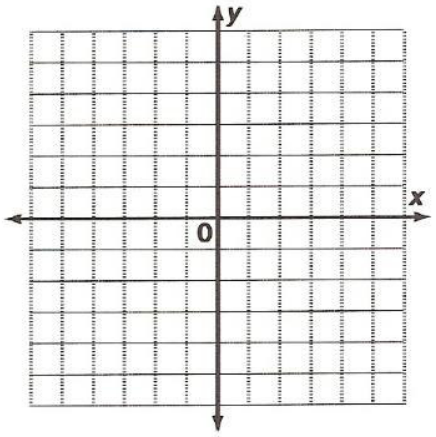
9.7 Graphing Functions

✓ Complete each function table. The graph the function on the coordinate plane.

x	$y = x+3$	y	(x, y)
-2			
0			
3			



x	$y = -2x$	y	(x, y)
-3			
-1			
2			



(OVER)