

Algebra I
11.2 Warm-Up
Multiplication Models

NAME: _____
DATE: _____ HOUR: _____

Use a multiplication table to compute the following:

$$-5(3 + -4) = -5(\quad) =$$

	3 + -4	
-5		=

$$3(3b + 4) =$$

	3b + 4	
3		

$$8a(a^2 + 3) =$$

	$a^2 + 3$	
8a		

$$-1(-7 + -4) = -1(\quad) =$$

	-7 + -4	
-1		=

$$-3(2b + 1) =$$

	2b + 1	
-3		

$$3y^2(y^2 + 5y) =$$

	$y^2 + 5y$	
$3y^2$		

$$-4(1 - 9) = -4(\quad) =$$

	1 - 9	
-4		=

$$a(a + 14) =$$

	a + 14	
a		

$$6a(a^2 - 2) =$$

	$a^2 - 2$	
6a		

Complete each table.

$$-8(a - 5) =$$

Find each product.

$$y(y^2 + 4y) =$$

$$y^2(y^4 + 1) =$$

$$4(a^2 + 1) =$$

$$a(a^3 - 7a) =$$

$$a^2(a^2 - 5) =$$

$$3a^2(2a - 1) =$$

$$b(b^2 - 1) =$$

$$y^2(y - 4) =$$

Algebra I

11.2 Homework

p. 517 (13-28)

Complete a multiplication chart to find each product.

NAME: _____

DATE: _____ HOUR: _____

13. $4x + 8$ (answer)

	$x + 2$
4	$4x + 8$

↑ write the problem in the chart

14.

	$2x + 7$
6	

15.

	$y + 10$
5	

16.

3	$m + 8$

17.

	$x + 2$
x	

18.

	$y - 4$
zy	

19.

	$r^2 - 3$
3r	

20.

	$p + 7$
pz	

21.

	$3x - 4$
8	

22.

	$y - 4$
4y	

23.

	$4x + 9$
5x	

24.

	$w^2 - w$
3w	

25.

	$y^2 + y$
2y ²	

26.

	$zt^2 + 8t$
zt ²	

27.

	$3y - 6$
3y ²	

28.

	$11z^2 + 22z$
z	