

Name \_\_\_\_\_

Date \_\_\_\_\_ Pd. \_\_\_\_\_

**Notes: Multiplying Polynomials**

	$x$	$+ 2$
$x$		
$+ 3$		

$(x + 3)(x + 2) =$   
 $=$

$(2x - 1)(x + 5)$

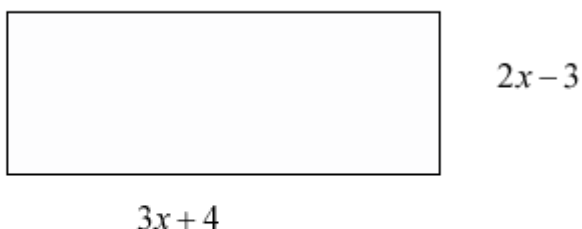

$(x - 8)(-3x + 1)$


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**Exit Card: Multiplying Polynomials**

Look at the rectangle below:

Which of the following represents the perimeter of the rectangle?

- A.  $(2x - 3) + (3x + 4)$       B.  $2(2x - 3) + 2(3x + 4)$   
C.  $(2x - 3)(3x + 4)$       D.  $(2x - 3)(2x - 3)(3x + 4)(3x + 4)$
- 

The area of a rectangle is  $x^2 - 8x + 12$ . Which of the following could represent the lengths of the sides?

- F.  $(x + 6)$  and  $(x + 2)$       G.  $(x - 6)$  and  $(x - 2)$   
H.  $(x - 6)$  and  $(x + 2)$       J.  $(x + 6)$  and  $(x - 2)$

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**Homework: Page 455 (13, 17, 21, 22, 29, 32)**

13. $(b+8)(b+2)$	17. $(y+4)(y-8)$
21. $(8d+3)(5d+2)$	22. $(4g+3)(9g+6)$
29. $(8x+2y)(5x-4y)$	32. $(a-3)(a^2-8a+5)$