

## Unit 4 Homework 5

**CL 3-114.** Rewrite each of these products as a sum.

a.  $6x(2x + y - 5)$

c.  $(7x)(2xy)$

b.  $(2x - 11)(x + 4)$

d.  $(x - 2)(3 + x)$

**CL 3-115.** Find the missing areas and dimensions for each generic rectangle below. Then write each area as a sum and as a product.

a. 

$8x$	$16x^2$	
	$1$	

  

$1$

b. 

$10y$	
	$-12x$

  

$2y$  $-3$

**CL 3-116.** For each equation below, solve for  $x$ .

a.  $-3(x + 4) = -2(x + 3)$

b.  $x + 7 = 2x - 3$

c.  $3x + 7 = 11$

**CL 3-117.** For each equation below, solve for  $y$ .

a.  $6x - 2y = 4$

b.  $3y = 4x - 2y + 10$

**CL 3-118.** Simplify each expression.

a.  $(5x^3)^2$

b.  $\frac{14a^3b^2}{21a^4b}$

c.  $2m^3n^2 \cdot 3mn^4$