

# EXTRA PRACTICE

#8A

## Combining Like Terms & Area

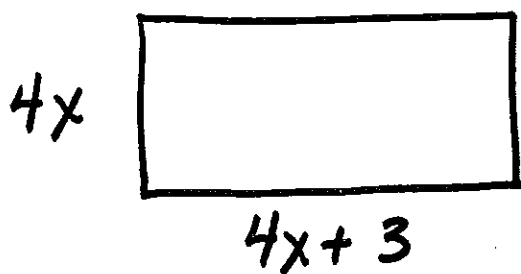
1) Write an expression for area.



$$(b)(h)$$
$$8a(2a)$$

$$16a^2$$

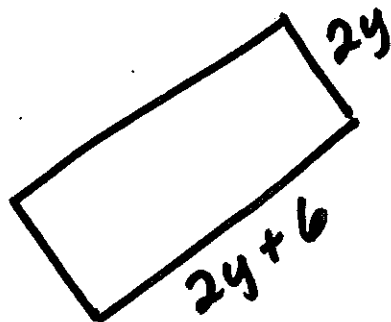
2) Write an expression for area. Then solve if  $x = 3, 4, 5$



$$(4x)(4x + 3)$$

	$16x^2 + 12x$
3	$16(9) + 12(3)$ $144 + 36 = 180 u^2$
4	$16(16) + 12(4)$ $256 + 48 = 304 u^2$
5	$16(25) + 12(5)$ $400 + 60 = 460 u^2$

3) Write an expression for area. Then solve if  $y = 2, 3, 4$



$$2y(2y + 6)$$

	$4y^2 + 12y$
2	$4(4) + 12(2) = 16 + 24 = 40 u^2$
3	$4(9) + 12(3)$ $36 + 36 = 72 u^2$
4	$4(16) + 12(4)$ $64 + 48 = 112 u^2$