

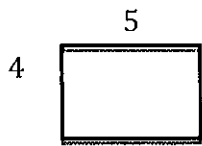
Name \_\_\_\_\_

Date \_\_\_\_\_

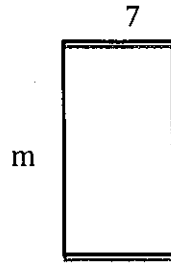
MA\_EE\_Lesson 7\_Homework

1) Write the expression that represents the area of each rectangle.

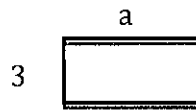
a)



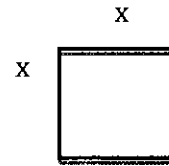
b)



c)

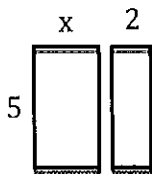


d)

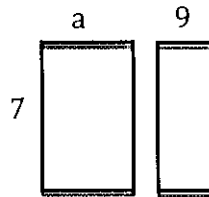


2) Find the area of each box in the pair.

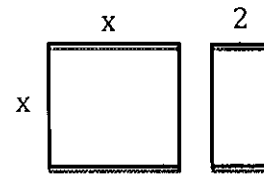
a)



b)

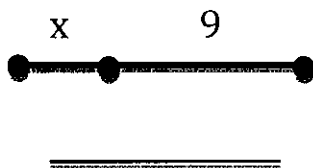


c)

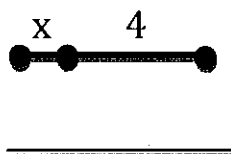


3) Write an algebraic expression that represents the total length of each line segment.

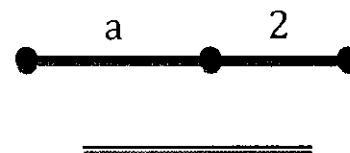
a)



b)

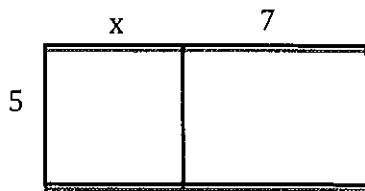


c)



4) Write 2 different expressions that will calculate the area of the rectangle. (Hint: think about how you found the area of the fields.)

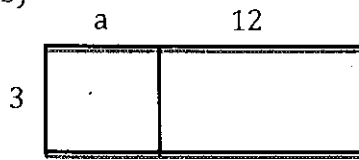
a)



\_\_\_\_\_

\_\_\_\_\_

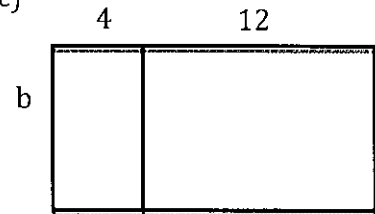
b)



\_\_\_\_\_

\_\_\_\_\_

c)



\_\_\_\_\_

\_\_\_\_\_

5) Use the distributive property to re-write each expression. You may want to draw a rectangle to follow the technique above.

a)  $4(x + 7) =$  \_\_\_\_\_

b)  $7(x - 3) =$  \_\_\_\_\_

c)  $-2(x + 4) =$  \_\_\_\_\_

d)  $x(x + 9) =$  \_\_\_\_\_

e)  $a(a-1) =$  \_\_\_\_\_

f)  $3m(m + 2) =$  \_\_\_\_\_