Name:		Date:	
Topic:		Class:	
Main Ideas/Questions	Notes/Examples		
AREA Problems	1. Given the diagram below, find the value of x if the area of the rectangle is 78 square meters.  x  x+7	2. Given the diagram below, find the dimensions of the rectangle if the area of the rectangle is 108 square meters.   x - 3	
	3. Find the dimensions of the rectangle below if the area is 128 square feet.  x+7  x + 7	<ul> <li>4. The dimensions of a rectangle car be expressed as x + 3 and x - 8. If the area of the rectangle is 60 square inches, find the value of x.</li> <li>6. The length of a rectangle is 6</li> </ul>	
	garden is 4 meters more than its width. The area of the rectangle i 60 meters. Find the dimensions of the rectangle.	meters less than its width. Find the	

increased by 5 meter is increased by 3 me	o that one dimension is rs and the other dimension ters. If the area of the 99 square meters, find the quare.	<b>8.</b> The length of a rectangle is seven less than twice the length of its width. If the area of the rectangle is 15 square meters, find the value of $x$ .
		•
	9.	live and in its are good by E inches and the
	A square is altered so that one dimension is increased by 5 inches and the other dimension is decreased by 2 inches. If the area of the resulting rectangle is 98 square inches, find the area of the original square.	
		,
· · .		
0.65	· Civen the diagram to	the left, if the area of the shaded region is 59 squardimensions of the outside rectangle?
10.	inches, what are the a	dimensions of the outside rectangle?

2x - 1

x + 6