

ANTIDERIVATIVES

Name KEY!
Pd. _____

In column two you see the graph of the derivative of some function. For each, sketch a graph of the second derivative in column one and a possible graph of the original function (antiderivative) in column three.

$f''(x)$	$f'(x)$	$f(x)$														
1.																
2.																
3.		 $f'(x)$ <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>+</td><td>-</td><td>+</td></tr><tr><td>-2.5</td><td></td><td>.5</td></tr></table> $f''(x)$ <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>-</td><td>0</td><td>+</td></tr><tr><td></td><td>-1</td><td></td></tr></table>	+	-	+	-2.5		.5	-	0	+		-1			
+	-	+														
-2.5		.5														
-	0	+														
	-1															
4.		 $f'(x)$ <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>-</td><td>+</td><td>-</td></tr><tr><td>-1</td><td></td><td>3</td></tr></table> $f''(x)$ <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>+</td><td>-</td></tr><tr><td></td><td>1</td></tr></table>	-	+	-	-1		3	+	-		1				
-	+	-														
-1		3														
+	-															
	1															
5.		 $f'(x)$ <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>-</td><td>+</td><td>-</td><td>+</td></tr><tr><td>-2</td><td></td><td>0</td><td>2</td></tr></table> $f''(x)$ <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>+</td><td>-</td><td>+</td></tr><tr><td>-1</td><td></td><td>1</td></tr></table>	-	+	-	+	-2		0	2	+	-	+	-1		1
-	+	-	+													
-2		0	2													
+	-	+														
-1		1														

Antiderivatives Activity p.2

