Date:

Solving a System of Inequalities

A **system** of inequalities is the graphing of two or more inequalities on the same axes. The solution set, marked with an "S", is the area of the graph where the **shading intersects**. Using two different colored pencils illustrates this very well.



3. Consider the following system of inequalities:



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Dete	ermine if the given points are solutions to the system	of inequa	lities. Justify yo	ur answ	ers.			
4.	2x - 3y > 10 x + 4y < 6	a.	(2, -1)	Ь.	(4, –7)	с.	(-3, 5)	
5.	x + 2y ≤ 12 x - y > 5	a.	(4, 1)	b.	(6, –5)	с.	(–10, 6)	