## Tuesday, March 1, 2016 Algebra 1 Bellwork

1. Your cabin on a river is 16.8 miles from your friends cabin on the same river. One day you paddle upstream (against the current) to you friends cabin and it takes 3.5 hours. The next day you return to your cabin downstream (with the current) and it takes 2.1 hours. Write and solve a system of equations to find the speed you paddle your boat and the speed of the current.

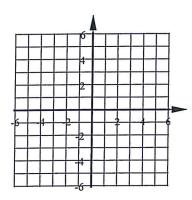
Paddle speed =

Current speed =

Graph each system of inequalities. Shade the solution region a different color than any other shading.

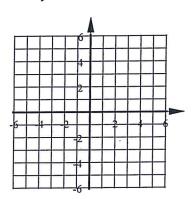
2. 
$$y < -3x + 2$$

$$y \ge 2x - 1$$



3.  $y \le 4$ 

$$2x - 6y < -12$$



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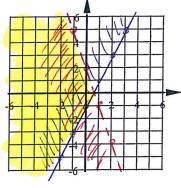


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Graph each system of inequalities. Shade the solution region a different color than any other shading.

2(y < -3x + 2)v > 2x - 1





$$|x-6y|<-12$$





TEST (OIO)

0-06-12 0 L - 1L

Side