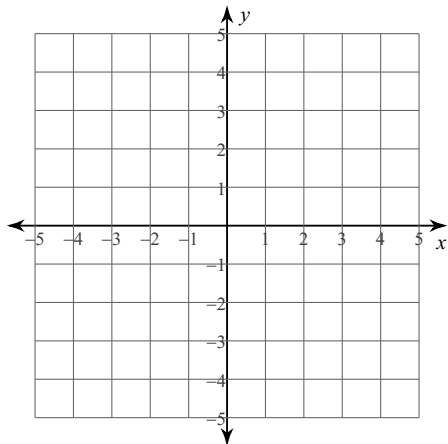


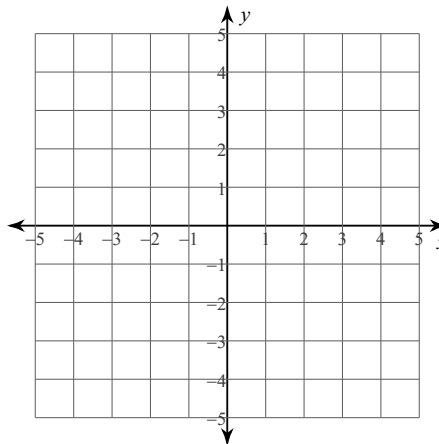
Systems of Linear Inequalities WS

Sketch the solution to each system of inequalities.

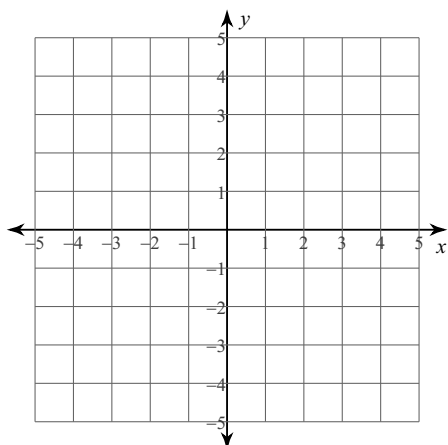
1) $y > -2x - 3$
 $y \leq 3x + 2$



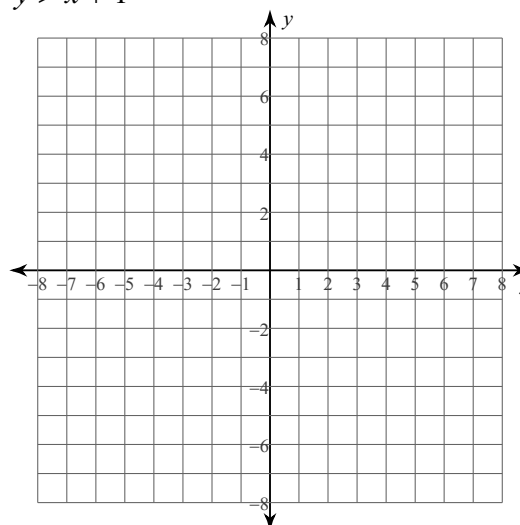
2) $x - 2y < 2$
 $2x - y \leq -2$



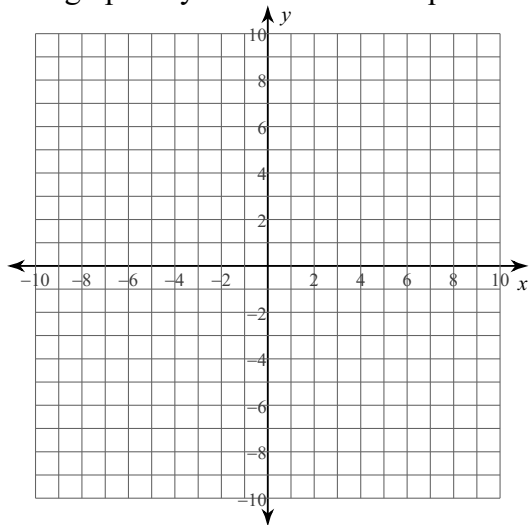
3) $4x - y \geq 2$
 $x - y < -1$



4) $y \leq x - 2$
 $y > x + 1$



- 5) John is selling black and gold t-shirts for the RP football game. Gold t-shirts are selling for \$4 and black t-shirts are selling for \$8. John needs to make at least \$48. He would like to sell no more than 9 shirts. Write and graph a system of linear inequalities to represent the range of solutions.



- 6) Fuel x costs \$2 per gallon and fuel y costs \$3 per gallon. You have at most \$18 to spend on fuel. Write and graph a system of linear inequalities to represent this situation.

