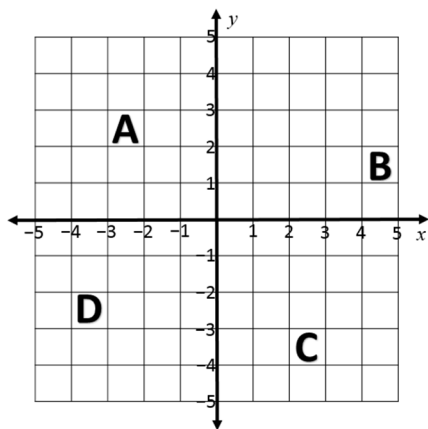


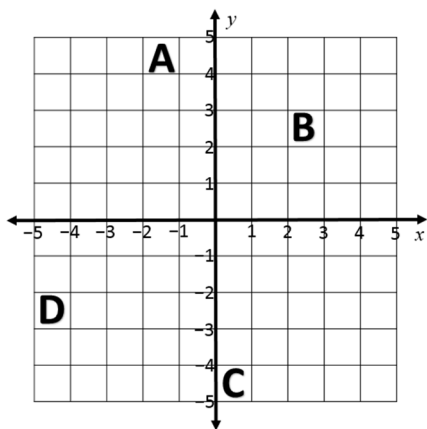
Graph System of Linear Inequalities

Sketch the graph of each system. Shade the solution and identify the letter in the solution region. On the back, match the solution (A, B, C, D) with each question number (there will be more than one question for each letter). Color the picture, matching question number to color given.

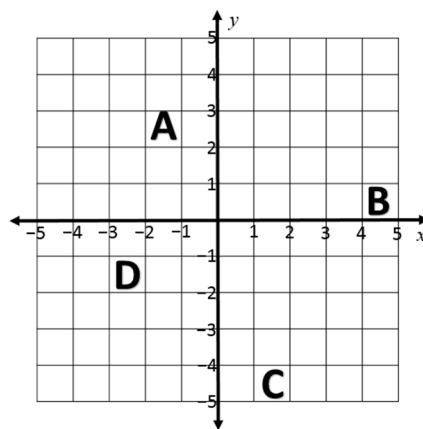
1.
$$\begin{cases} y \leq x - 1 \\ y \geq -x + 3 \end{cases}$$



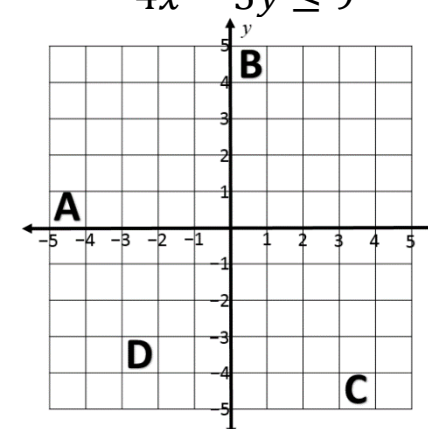
2.
$$\begin{cases} 2x + y \geq -1 \\ 2x - y > -3 \end{cases}$$



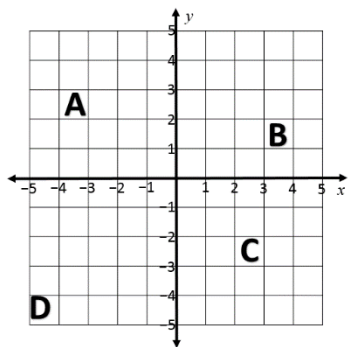
3.
$$\begin{cases} y < -3 \\ y \leq -x - 1 \end{cases}$$



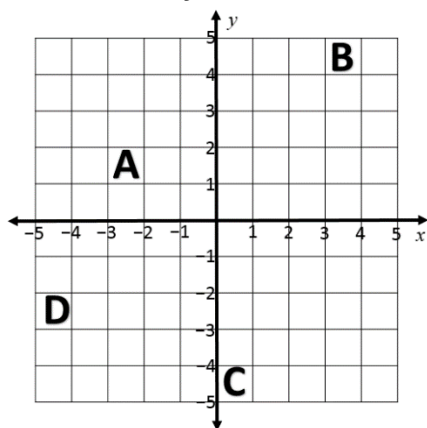
4.
$$\begin{cases} 4x - 3y > -3 \\ 4x - 3y \leq 9 \end{cases}$$



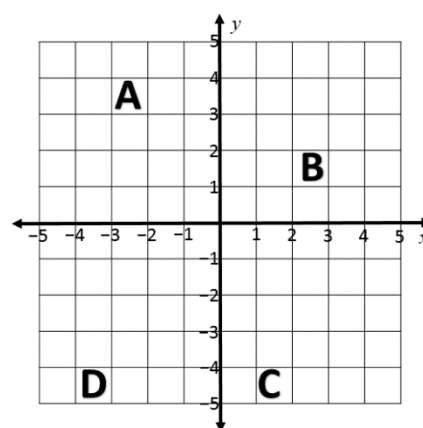
5.
$$\begin{cases} y > \frac{4}{3}x + 1 \\ y \geq \frac{1}{3}x - 2 \end{cases}$$



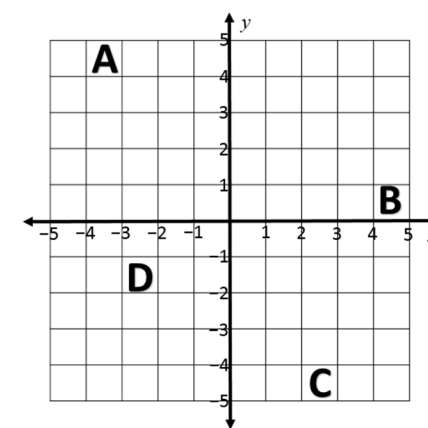
6.
$$\begin{cases} 3x < 2y \\ x + 2y \leq -6 \end{cases}$$



7.
$$\begin{cases} y > -x - 2 \\ y > 3x + 2 \end{cases}$$



8.
$$\begin{cases} x + y \leq -1 \\ x \leq 2 \end{cases}$$



Answer Bank:

Green Qs: _____	Red Qs: _____	Black Qs: _____	Yellow Qs: _____
A	B	C	D

4	8	4	8	6	4	6	8	8	6	4	6	8	6	4
6		8	6	4	5	7	6	7	5	8	6	4		6
8	6	4	7	5	7	5	7	5	7	5	7	6	6	8
6	8	7	5	7	5	7	5	7	5	7	5	7	8	8
	6	5	7	1	5	5	7	5	7	2	7	5	6	4
4	4	3	2	2	7	5	7	5	7	1	2	3	4	6
6	3	1	2	1	1	7	5	7	1	2		1	3	4
8	3	2		2	2	1	1	2	2	1	1	2	3	6
6	4	3	1	1	2	1	2		1	2	1	3	8	8
8	6	3	2	2		2	1	2	2		2	3	6	
	8	6	3	1	2	1	2	1	2	1	3	4	4	6
4	6	4	3	2	1	2	1	2	1	2	3	6	6	8
6	4		6	3	2	1		1	2	3	8	6		4
8	8	4	6	8	3	2	1	2	3	8	6	4	8	6
8		6	8	4	8	3	3	3	4	8		6	8	4

Graph System of Linear Inequalities.