

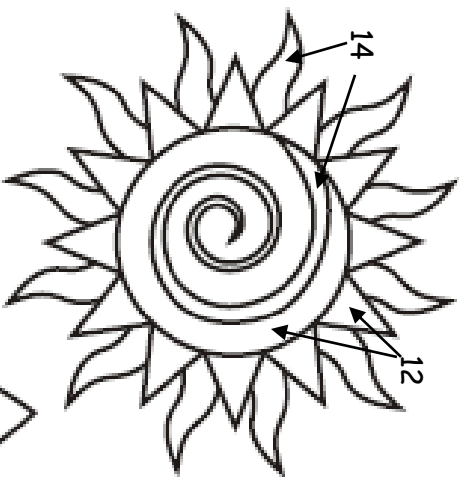
# Systems by Substitution - Color-by-Number

Name: \_\_\_\_\_

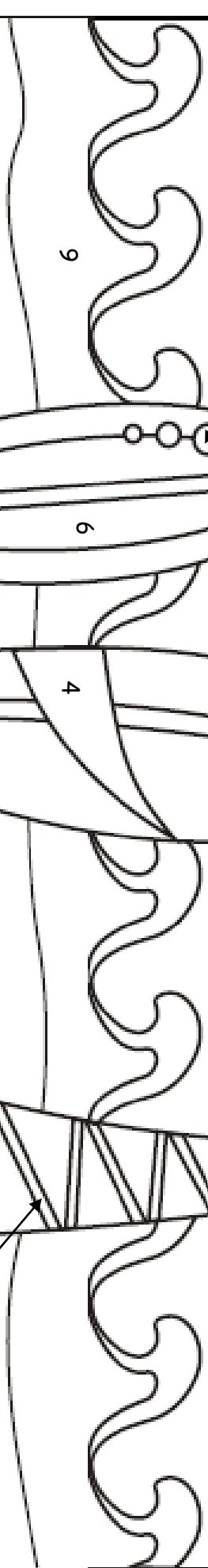
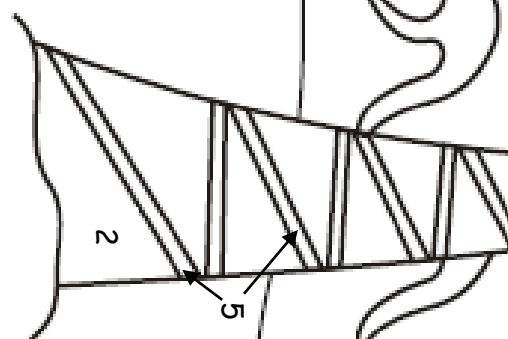
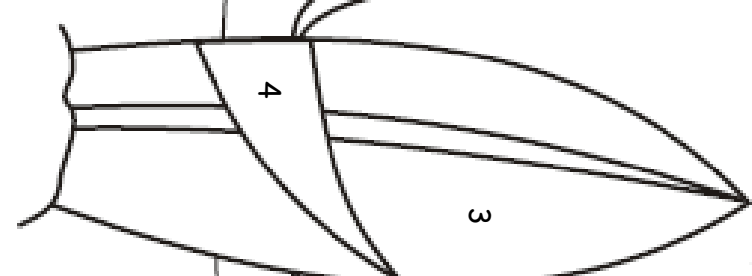
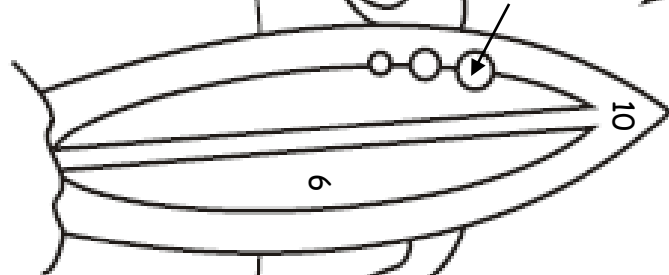
On a separate sheet of paper (or the back of this one), solve each system using substitution. Find your answer in one of the two boxes, and color in your coloring page accordingly!

#	Problem	Answer One	Answer Two
1	$\begin{cases} y = 4x \\ y = -2x - 6 \end{cases}$	(-1, -4) red	(-3, -12) purple
2	$\begin{cases} y = 2x + 4 \\ y = 2 \end{cases}$	(-1, 2) brown	(0, 2) orange
3	$\begin{cases} -3x - 3y = -12 \\ y = 0 \end{cases}$	(0, 4) light blue	(4, 0) orange
4	$\begin{cases} -4x - y = 4 \\ y = 2x + 2 \end{cases}$	(-1, 0) dark green	(1, 4) yellow
5	$\begin{cases} x - y = 5 \\ 3x - 2y = 12 \end{cases}$	(4, -1) light blue	(2, -3) yellow
6	$\begin{cases} 2x + 3y = 4 \\ y = 2 \end{cases}$	(-1, 2) dark green	(-2, 2) red
7	$\begin{cases} y = -2x - 1 \\ y = -4x - 5 \end{cases}$	(-2, 3) yellow	(-1, -3) purple
8	$\begin{cases} y = -2x + 8 \\ y = x + 2 \end{cases}$	(-10, -8) blue	(2, 4) dark green
9	$\begin{cases} 2x - 2y = 6 \\ y = 4x \end{cases}$	(1, 4) purple	(-1, -4) dark blue
10	$\begin{cases} y = x + 3 \\ -3x + 2y = 6 \end{cases}$	(0, -3) dark green	(0, 3) purple
11	$\begin{cases} -2x + y = -11 \\ 4x + 4y = 4 \end{cases}$	(4, -3) light blue	(-12, -35) brown
12	$\begin{cases} 4x + 2y = -12 \\ 3x + y = -10 \end{cases}$	(8, -34) red	(-4, 2) yellow
13	$\begin{cases} y = x + 4 \\ 5x + 3y = -4 \end{cases}$	(-1, 3) dark blue	(-2, 2) light green
14	$\begin{cases} y = 2x \\ -8x - 2y = 24 \end{cases}$	(-2, -4) orange	(0, 0) light green
15	$\begin{cases} y = 2x + 4 \\ 6x - 3y = -12 \end{cases}$	(NS) orange	(IMS) red

\*on the color by number page, color in all pieces that are like the one with the number in it!



11



9

7

2

5

6

10

3

4

1

15

14

12

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13