

Name: _____

COLOR BY NUMBERS

Solve each system by elimination.

1. $-2x + 6y = -14$

$-4x - 6y = -10$

- a. (-4, -1) Dark Purple
- b. (1, 4) Red
- c. (4, -1) Gray
- d. (1, -4) White

2. $-4x + 4y = 0$

$-5x - 4y = 18$

- a. No Solution Light Green
- b. (-2, -4) Orange
- c. (4, -2) Dark Blue
- d. (-2, -2) Yellow

3. $x + y = 3$

$5x - y = -11$

- a. (-2, -6) Light Green
- b. (-2, 1) Purple
- c. (-6, -2) Black
- d. (-2, 6) Brown

4. $-4x - 2y = 4$

$3x + 2y = -6$

- a. (2, -6) Black
- b. (2, -2) Dark Green
- c. (-2, -2) Orange
- d. (-6, 2) Pink

5. $x + 6y = 15$

$-x - y = 0$

- a. (3, 3) White
- b. (3, -3) Light Blue
- c. (-3, -3) Red
- d. (-3, 3) Brown

6. $-5x - y = -17$

$4x + y = 13$

- a. (4, -3) Light Green
- b. (-4, -3) Blue
- c. (3, 3) Pink
- d. (-4, 3) Dark Green



Solve each system by substitution.

7. $y = -4x - 12$

$y = -2x - 6$

- a. (-3, 0) Light Blue
- b. (0, -3) Dark Green
- c. (0, -1) White
- d. (-3, 1) Dark Purple

8. $y = 4x - 12$

$y = x - 3$

- a. (0, -3) Red
- b. (-3, 0) Dark Purple
- c. (3, 0) Orange
- d. (-3, -1) Dark Blue

9. $y = x + 1$

$y = -2x - 6$

- a. (3, 2) White
- b. (2, 2) Dark Blue
- c. (2, 3) Red
- d. (2, -4) Tan

10. $y = 3x - 2$

$y = 4x - 4$

- a. (2, 4) Dark Blue
- b. (3, -1) Orange
- c. (1, 4) Dark Purple
- d. (1, 3) Tan

11. $y = -2x + 7$

$y = x - 2$

- a. (-3, -2) Tan
- b. (3, 1) Dark Green
- c. (3, -2) White
- d. (3, 2) Brown

12. $y = -4x - 6$

$y = x + 4$

- a. (-2, 3) Tan
- b. (-2, -3) Yellow
- c. (-2, 2) Dark Purple
- d. (-1, 3) Blue