

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

Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Combining Like Terms

### Section I. Simplify by combining like terms

1.  $6j - 2j$

2.  $13k - 5 + 6k - 1$

3.  $-5x + 2y - 3x - 7y$

4.  $4m - 9m + 7 + 8m$

5.  $7h + 8g - 12h - 19g$

6.  $-8w + 2w + 12v$

7.  $3fg + 6fg$

8.  $3fg + 12f + 6fg - 5f$

### Section II. Solve for the variable if possible

9.  $6j - 2j = 20$

10.  $4u + 9u - 11 = -50$

11.  $6r - 18 = 6r + 9$

12.  $2h + 15 - 7h = -110$

13.  $3x + 26 = 5x - 2$

14.  $8 - 7n - 19 = 2n + 16$

15.  $-12 - 6x = 8 - 11x$

16.  $7y - 43 = -13 - 3y$

17.  $-2r = \frac{30-2r}{4}$

18.  $5(2f - 4) = 10f - 20$

19.  $\frac{9y-4}{5} = \frac{7y+2}{4}$

20.  $\frac{1}{3}(5m + 3) = \frac{1}{4}(6m + 5)$

21.  $5(2h - 9) = 7h - 60$

22.  $3(2x - 3) = 6(x + 1) - 10$

23.  $2(5j - 3) - j = 3(3j - 2)$

24.  $3(5w - 1) + 5(3w + 2) = 7$