

## 1-4 Simplifying Expressions ANSWERS

Simplify each expression. Remember to combine only like terms.

$$\underline{4n + 9}$$

1.  $5 + n + 4 + 3n$

$$\underline{5a + 12}$$

2.  $3a + 5 + 6 + 2a + 1$

$$\underline{4n}$$

3.  $n + n + n + n$

$$\underline{6a + 2b}$$

4.  $4a + a + b + a + b$

$$\underline{7n + 104}$$

5.  $2n + 4 + 100 + 5n$

$$\underline{2y + 6}$$

6.  $6 + y + y$

$$\underline{9n + 5}$$

7.  $15 + 2n + 4n + 3n - 10$

$$\underline{4n - 7}$$

8.  $6n - 3 - 2n - 4$

$$\underline{8n + 5y}$$

9.  $4n + 2y + 4n + 3y$

$$\underline{8y + 6c + 8n + 11}$$

10.  $3y + 4c + 2y + 9 + 3y + 2 + 8n + 2c$

$$\underline{12ab + 7ac}$$

11.  $2ab + 4ac + 3ac + 10ab$

$$\underline{7abc + 2ny}$$

12.  $6abc + 4ny + 2abc - 2ny - abc$

$$\underline{13n + 9}$$

13.  $n + n + n + 3 + n + 2n + 5 + 6n + 1 + n$

$$\underline{5ab^2 + 5a^2b}$$

14.  $ab^2 + a^2b + 3ab^2 + 4a^2b + ab^2$

$$\underline{9a^3 + 6a^2 + 6a}$$

15.  $4a + 4a^2 + 2a^3 + 2a + 7a^3 + 2a^2$

$$\underline{2b^3 + 2b^2 + 5b}$$

16.  $4b^2 + 3b^3 - 2b^2 + 5b - b^3$

$$\underline{7abc + 10ac}$$

17.  $2abc + 3ac + 4abc + 5ac + 2ac + abc$