Use the choices below to fill in each blank. Some choices may be used more than once.

Likeunlikenumerical coefficienttermdistributiveCombine like termsexpression1. $23y^2 + 10y - 6$ is called a(n) ________ while $23y^2, 10y, and - 6$ are each called a(n) _______.2. To simplify x + 4x, we _______.3. The term y has an understood ________ of 1.4. The term 7z and 7y are _______ terms and the terms 7z and -z
are _______ terms.5. For the terms $-\frac{1}{2}xy^2$, the number $-\frac{1}{2}$ is the ______.6. 5(3x - y) equals 15x - 5y by the ______ property.

Identify the numerical coefficient of each term.

7. -7y 8. $17x^2y$

Indicate whether the terms in each list are like or unlike.

9.8wz, $\frac{1}{7}zw$ 10. ab^2 , $-7ab^2$

Simplify

11. 6g + 5 - 3g - 7 12. $8x^3 + x^3 - 11x^3$

13. -2(4x - 3z - 1) 14. -(y + 5z - 7)

15. 5(x + 2) - (3x - 4)

Write each of the following as an algebraic expression. Simplify if possible. 16. Add 6x + 7 to 4x - 10. College Prep Math

17. Subtract 4x - 7 from 12 + x.

Simplify.

$$18. -3(2x+5) - 6x 19. 3.4m - 4 - 3.4m - 7$$

20.
$$14 - 11(5m + 3n)$$
 21. $\frac{1}{3}(9x - 6) - (x - 2)$

Write each phrase as an algebraic expression and simplify if possible.

22. Twice a number, decreased by four.

23. The sum of 3 times a number and 10, subtracted from 9 times a number.

24. Eleven, increased by two-thirds of a number.

25. The sum of twice a number, -1, five times a number, and -12.