Simplify each expression.

1.
$$6y+8+2y+5$$
 $8y+8+5$
 $8y+13$

2.
$$9+5a-2+3a$$
 $7+5a+3a$
 $9+8a$

3.
$$6r + 2r + 4$$

4.
$$3m + 5m - 10 + 7$$
 $8m - 10 + 7$

$$5. \quad 5w+4-3w-2$$

$$2w+4-3$$

$$\sqrt{2w+2}$$

$$\begin{array}{c} 6. \quad 5 - 4p + 6p \\ \hline 5 + 2p \end{array}$$

7.
$$3a+2b+5a-7b$$
 $8a+2b-7b$
 $8a-5b$

$$-2x + 4y + 4y$$

$$-2x + 4y + 4y$$

$$-2x + 5y$$

9.
$$5d+8-8d$$

$$-31+8$$

10.
$$3t + 2h - 5 + 7h$$

11.
$$6d + 2 - 4d + 10 + 2d$$

$$3d + 7 + 10 + 3d$$

$$4d + 2 + 10$$

$$4d + 12$$

12.
$$5g - 9 - lg$$

$$4g - 9$$

Translate to an algebraic expression.

13. The quotient of a number d and four

24

14. The total of 5 and a number n

5 + n

 The difference of a number and ten

n-10

16. Twice a number increased by six

2n+6

17. Eight decreased by a number h

8-4

The product of a number and two increased by that number

> 0/ 0/ 0/ 0/

Write an algebraic expression for each situation. Answer the question.

19. You buy four candy bars at a cost of p dollars per candy bar. What is the total cost?

4.0

20. Donuts cost 2 dollars. You buy d amount of donuts. What is the total cost?

2.1

21. There are p people in a Google Meet. Seven people leave. How many people are in the Google Meet?

P-7

22. Bob has 5 pies. He bakes 2 pies every hour. How many pies does he have after h hours?

5 + 2h

23. Deidra has 20 friendship bracelets. She gives b bracelets away to friends. How many bracelets does she have left?

20-6

24. Anthony has a dog walking business. He has 12 good reviews and gets 4 more every day. How many good reviews does he have after d days?

12+41