

NAME : _____

CLASS : _____

DATE : _____

Combining Like Terms and Distributive

20 Questions

1. Simplify by combining like terms: $5a + 2b - 3a + 4$

☐ a) $8a + 2b + 4$

☐ c) $8ab$

$$\begin{array}{r} 5a - 3a = 2a \\ 2b \\ 4 \end{array}$$

☒ b) $2a + 2b + 4$

☐ d) $4ab + 4$

Ex
remember how we put
different shapes around
different terms.
Be sure to include
the signs.

2. Simplify by combining like terms: $3x - 5x$

☐ a) $2x$

☐ c) $-2x$

☐ b) $8x$

☐ d) $15x^2$

3. Simplify by combining like terms: $3x + 2x$

☐ a) $5x$

☐ c) $6x$

☐ b) x

☐ d) 5

4. Simplify by combining like terms: $-r - 10r$

☐ a) $11r$

☐ c) $9r$

☐ b) $-11r$

☐ d) -11

5. Simplify by combining like terms: $-6k + 7k$

☐ a) k

☐ c) $12k$

☐ b) $-k$

☐ d) $-12k$



6. Simplify by combining like terms: $2x + 1 + 7x$

☐ a) $10x$

☐ c) $9x + 1$

☐ b) 10

☐ d) $9 + 1x$

7. Simplify by combining like terms: $n - 10 + 9n - 3$

☐ a) -3

☐ c) n

☐ b) $9n - 3$

☐ d) $10n - 13$

8. Simplify by combining like terms: $-4x - 10x$

☐ a) -14

☐ c) $-6x$

☐ b) $6x$

☐ d) $-14x$

9. Simplify by combining like terms: $7v + 2 + 12 + 2v$

☐ a) 23

☐ c) $9 + 14v$

☐ b) $23v$

☐ d) $9v + 14$

10. Simplify by combining like terms: $3x + 2x + 3y - 7y$

☐ a) $5x + 10y$

☐ c) $5x - 4y$

☐ b) $5x + 4y$

☐ d) $5x - 10y$

11.



Ex
5(a + 6)

5a + 30

☐ a) $5a + 6$

☐ c) $5a + 30$

☐ b) $a + 30$

☐ d) $5a - 30$



12.

2(c - 8)



☐ a) $2c - 16$

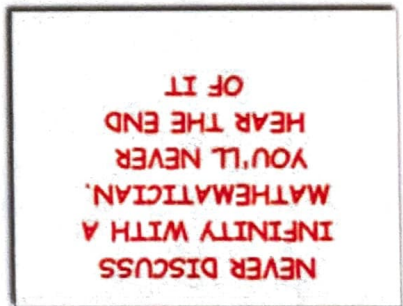
☐ c) $2c - 8$

☐ b) $2c + 16$

☐ d) $c - 16$

13.

$-4(k - 7)$



☐ a) $-4k + 28$

☐ c) $4k + 28$

☐ b) $-4k - 28$

☐ d) $4k - 28$

14.

$-3(2c - 5)$



☐ a) $-6c - 15$

☐ c) $6c + 15$

☐ b) $-6c + 15$

☐ d) $6c - 15$



15.



4(-p - 6)

- ☐ a) $4p - 24$
- ☐ c) $-4p + 24$

- ☐ b) $4p + 24$
- ☐ d) $-4p - 24$

16.

Parallel lines

have so much in
common...

it's a shame that
they'll never
meet.

- ☐ a) $18g + 27$
- ☐ c) $-18g - 27$

- ☐ b) $-18g + 27$
- ☐ d) $18g - 27$

17.



-(8 - m)

- ☐ a) $-8 + m$
- ☐ c) $8 - m$

- ☐ b) $-8 - m$
- ☐ d) $m + 8$



18.

$-2(x + 5)$



☐ a) $-2x + 10$

☐ c) $-2x + 5$

☐ b) $-2x - 10$

☐ d) $-2x - 5$

19. ☐ a) $-5(n+10)+5n$

☐ a) $-5n-50+5n$

☐ b) -50

20.



Simplify $-6(7n - 6) + 4n$

☐ a) $-36 + 38n$

☐ c) $36n - 38$

☐ b) $-38n + 36$

☐ d) $-36n + 38$

