

Circle the error in the following simplifications. Then correctly simplify each expression.

1.) $-2(3x + 5)$
 $-6x + 10$

2.) $6 + 3(4n - 2)$
 $9(4n - 2)$
 $36n - 18$

3.) $4(5x + 9) - 2x$
 $20x + 36 - 8x$
 $12x + 36$

4.) $3y^2 - 15y + 7y^2 + 3$
 $10y^4 - 15y + 3$

Simplify

5.) $3y - 4y + y - 6y - y$

6.) $4x^2 + 2 - 5x - x^2 - 7 + x$

7.) $-5(x^2 + 3x - 5)$

8.) $3(x - 4) - 2(3 - 3x)$

9.) $4x^2 + 2x - x^2 + 3$

10.) $4(y - 3) - 2(5 + 2y)$

11.) $2a + 3 - 5b - 7 - 5a$

12.) $4 - 3(2 - 3x) - x - 5$

13.) $5 - 2(x - 3) + 5x$

14.) $8x - 7x^2 + 2y - 8x$

$$15.) \quad -3 - 2(3 - x) + 4$$

$$16.) \quad -x - 3(4 + x) - 6$$

$$17.) \quad 5x - 3x^2 + 4x^3 + 3$$

$$18.) \quad 3(4x - 6) + 5$$

$$19.) \quad 3(6 - x) + 4$$

$$20.) \quad 5(x + 5) - 6x + 2$$

$$21.) \quad -3(-7x + 2) - 12x$$

$$22.) \quad 2x - 3(9x - 5) + 17x$$

WS - ANSWERS IN BLUE

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3.) $4(5x+9)-2x$
 $20x+36-8x$
 $12x+36$

$18x+36$

4.) $3y^2-15y+7y^2+3$
 $10y^4-15y+3$

$10y^2-15y+3$

Simplify

5.) $3y-4y+y-6y-y$

$-7y$

6.) $4x^2+2-5x-x^2-7+x$

$3x^2-4x-5$

7.) $-5(x^2+3x-5)$

$-5x^2-15x+25$

8.) $3(x-4)-2(3-3x)$

$9x-18$

9.) $4x^2+2x-x^2+3$

$3x^2+2x+3$

10.) $4(y-3)-2(5+2y)$

-22

11.) $2a+3-5b-7-5a$

$-3a-5b-4$

12.) $4-3(2-3x)-x-5$

$8x-7$

13.) $5-2(x-3)+5x$

$3x+11$

14.) $8x-7x^2+2y-8x$

$-7x^2+2y$

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

$2x - 5$

17.) $5x - 3x^2 + 4x^3 + 3$

$4x^3 - 3x^2 + 5x + 3$

19.) $3(6 - x) + 4$

$-3x + 22$

21.) $-3(-7x + 2) - 12x$

$9x - 6$

16.) $-x - 3(4 + x) - 6$

$-4x - 18$

18.) $3(4x - 6) + 5$

$12x - 13$

20.) $5(x + 5) - 6x + 2$

$-x + 27$

22.) $2x - 3(9x - 5) + 17x$

$-8x + 15$