

Name:

Period:

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HW 3-2

Int 1

Simplifying Like Terms

Unit 3

Simplify each expression.

1. $8y + 2y$

$10y$

2. $5x + x$

3. $d + 10d$

$11d$

4. $z + z$

5. $9m + 2m + 3m$

$14m$

6. $10r + 100s + 50r$

7. $15a + 7j - 8$

8. $5r + 9y - 2r$

9. $14 + 3u - 10$

$3u + 4$

10. $6d + d + 15$

11. $6t + 4y - 3y + 3t$

$9t + y$

12. $14 + 9h + 3 - 2h$

13. $7 + g + g - 7$

$2g$

14. $7rt - 3rt + 6y$

15. $5x^2 - 2x^2 - 6x$

$3x^2 - 6x$

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

17. $13 - 2z^3 + 2 + z^2$

$-2z^3 + z^2 + 15$

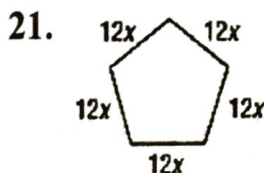
18. $y^2 + 9 - y^3 + 4y^2$

19. $12y - 8 + 4y + y$

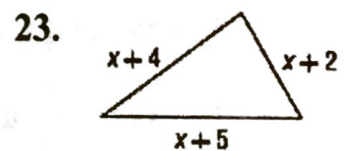
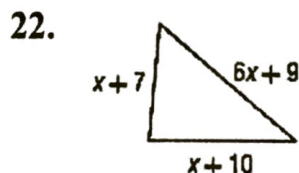
$17y - 8$

20. $-m + 2n + 4m - n$

Simplify the perimeter of each polygon below.



$60x$



$3x + 11$

You are at the grocery store buying food for a party. You pick up 10 pizzas, 5 sodas and 6 ice creams. You decide to put back 2 ice creams and get 2 more pizzas.

24. Write an expression that represents your shopping trip.

25. Simplify the expression you wrote in the previous question.

MULTIPLE CHOICE: Simplify the expression by combining like terms.

26. $7b - 3b + 4$
a) $10b + 4$ b) $8b$ c) $4b + 4$ d) $-4b + 4$

27. $9x + x - 4x + x$
a) $7x$ b) $x^2 + 5x$ c) $5x$ d) $x^2 - 5x$

28. $6a - 3a - a - 12$
a) $3a - a - 12$ b) $3a - 12$ c) $2a - 12$ d) $3a - 13$

29. $x + x + x + 1$
a) $x + 1$ b) $x^3 + 1$ c) $4x$ d) $3x + 1$

MULTIPLE CHOICE: Evaluate the expression if $x = -2$, $y = 3$, $z = -4$.

30. $9x - y^2$
a) 12 b) -27 c) -24 d) -9

31. $-4x + 5y + 6z$
a) -46 b) 6 c) 19 d) -1

REVIEW QUESTIONS:

32. Write $\frac{5}{18}$ as a decimal.

33. Write -12.48 as a fraction in simplest form.

$$-12\frac{12}{25}$$