

Name _____ Period _____

HW3-2 Simplifying Like Terms

A. $5a + a$

$6a$

B. $k - k$

0 or $0k$

C. $10b - b + 1$

$9b + 1$

D. $9ab + 8ab - 7ab$

E. $m + 3m - 8$

F. $6x + 3y + 6y - 2x$

G. $3xy + 2xy - xy$

$4xy$

H. $18 + 7x - 14xy + 5x$

$-14xy + 12x + 18$

I. $12a^3 + 3a + 18a^2 - 9a$

$12a^3 + 18a^2 - 6a$

Simplify each expression.

1. $8y + 2y$

$10y$

2. $9m + 2m$

3. $13a + 7a$

$20a$

4. $5x + x$

5. $d + 10d$

6. $z + z$

$11d$

7. $8y + 2y + 3y$

$13y$

8. $9m + 2m + 3m$

9. $13a + 7a + 2a$

$22a$

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

11. $15a + 7j - 8$

cannot be simplified

12. $5r + 9y - 2r$

13. $14 + 3u - 10$

$3u + 4$

14. $6d + d + 15$

15. $q + 4 + 11 + 4q$

$5q + 15$

Simplify each expression.

16. $6t + 4y - 3y + 3t$

17. $14 + 9h + 3 - 2h$

18. $12f - 8f - 15$

$7h + 17$

19. $3 + 2b + b$

20. $7 + g + g - 7$

21. $8k + 4w + k - 4w$

$3b + 3$

$9k$

22. $7rt - 3rt + 6y$

23. $ab + ab + 2bc$

24. $y^2 + y^2$

$2ab + 2bc$

25. $5x^2 - 2x^2 - 6x$

26. $3b^2 + b^3 + 4b^3$

27. $13 - 2z^3 + 2 + z^2$

$3x^2 - 6x$

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

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

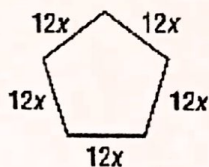
29. $12y - 8 + 4y + y$

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

$17y - 8$

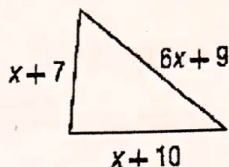
Simplify the perimeter of each polygon below.

31)

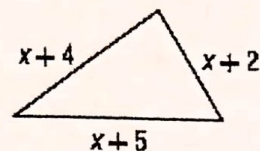


$60x$

32)



33)



$3x + 11$