

Factoring Expressions (G)

Factor each expression.

1. $10b^2 - 30b$

11. $5x^2 + 6x$

21. $6x^2 + 15x$

2. $16y^2 + 8y$

12. $81y^2 + 9y$

22. $72a^2 + 32a$

3. $48b^2 + 18b$

13. $4z^2 - 16z$

23. $40b^2 - 16b$

4. $5a^2 - 5a$

14. $64b^2 - 8b$

24. $56c^2 - 40c$

5. $27z^2 + 15z$

15. $40c^2 - 16c$

25. $6x^2 + 6x$

6. $15b^2 + 40b$

16. $21x^2 - 24x$

26. $45a^2 - 45a$

7. $18b^2 + 18b$

17. $12a^2 - 24a$

27. $10a^2 - 8a$

8. $16x^2 - 16x$

18. $10y^2 - 8y$

28. $24c^2 + 21c$

9. $16a^2 + 8a$

19. $15a^2 - 9a$

29. $20z^2 - 20z$

10. $18c^2 + 16c$

20. $12z^2 - 24z$

30. $24a^2 - 8a$

Factoring Expressions (G) Answers

Factor each expression.

1. $10b^2 - 30b$
 $10b(b - 3)$

2. $16y^2 + 8y$
 $8y(2y + 1)$

3. $48b^2 + 18b$
 $6b(8b + 3)$

4. $5a^2 - 5a$
 $5a(a - 1)$

5. $27z^2 + 15z$
 $3z(9z + 5)$

6. $15b^2 + 40b$
 $5b(3b + 8)$

7. $18b^2 + 18b$
 $18b(b + 1)$

8. $16x^2 - 16x$
 $16x(x - 1)$

9. $16a^2 + 8a$
 $8a(2a + 1)$

10. $18c^2 + 16c$
 $2c(9c + 8)$

11. $5x^2 + 6x$
 $x(5x + 6)$

12. $81y^2 + 9y$
 $9y(9y + 1)$

13. $4z^2 - 16z$
 $4z(z - 4)$

14. $64b^2 - 8b$
 $8b(8b - 1)$

15. $40c^2 - 16c$
 $8c(5c - 2)$

16. $21x^2 - 24x$
 $3x(7x - 8)$

17. $12a^2 - 24a$
 $12a(a - 2)$

18. $10y^2 - 8y$
 $2y(5y - 4)$

19. $15a^2 - 9a$
 $3a(5a - 3)$

20. $12z^2 - 24z$
 $12z(z - 2)$

21. $6x^2 + 15x$
 $3x(2x + 5)$

22. $72a^2 + 32a$
 $8a(9a + 4)$

23. $40b^2 - 16b$
 $8b(5b - 2)$

24. $56c^2 - 40c$
 $8c(7c - 5)$

25. $6x^2 + 6x$
 $6x(x + 1)$

26. $45a^2 - 45a$
 $45a(a - 1)$

27. $10a^2 - 8a$
 $2a(5a - 4)$

28. $24c^2 + 21c$
 $3c(8c + 7)$

29. $20z^2 - 20z$
 $20z(z - 1)$

30. $24a^2 - 8a$
 $8a(3a - 1)$