

Factoring Practice and Review

Name: _____

Factoring Practice: Answers

1. $x^2 + 5x + 4$
 $(x + 4)(x + 1)$

3. $x^2 + 13x + 40$
 $(x + 5)(x + 8)$

5. $x^2 - 8x + 12$
 $(x - 6)(x - 2)$

7. $x^2 + 6x - 27$
 $(x + 9)(x - 3)$

9. $x^2 - 5x - 6$
 $(x - 6)(x + 1)$

2. $x^2 + 9x + 14$
 $(x + 7)(x + 2)$

4. $x^2 - 4x + 3$
 $(x - 3)(x - 1)$

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

8. $x^2 + 2x - 80$
 $(x + 10)(x - 8)$

10. $x^2 - 14x - 72$
 $(x - 18)(x + 4)$

Factoring Practice: Answers

11. $4x^2 - 18x - 10$
 $(4x + 2)(x - 5)$

13. $2x^2 - 15x - 8$
 $(2x + 1)(x - 8)$

15. $3x^2 + 32x - 11$
 $(3x - 1)(x + 11)$

17. $3x^2 + 15x + 18$
 $(3x + 6)(x + 3)$

19. $4x^2 + 32x + 28$
 $(4x + 4)(x + 7)$

12. $5x^2 + 17x - 12$
 $(5x - 3)(x + 4)$

14. $2x^2 + 9x - 18$
 $(2x - 3)(x + 6)$

16. $11x^2 + 14x - 16$
 $(11x - 8)(x + 2)$

18. $2x^2 - 9x + 10$
 $(2x - 5)(x - 2)$

20. $2x^2 - 2x - 4$
 $2(x - 2)(x + 1)$

Factoring Practice:

21. $x^2 + 8x$

23. $4x^2 + 20x$

25. $x^2 - 49$

27. $3x - 18y + 6z$

29. $64x^6 - x^{10}$

22. $x^2 - 64$

24. $3x^2 + 12x$

26. $25x^2 - 49$

28. $x^8 - 100$

30. $12x^2 - 3x$