

Name: _____

Date: _____

Factor out the GCF

Write each expression as a product of the GCF and a sum.

1. Factor: $4a + 32$ _____

11. Factor: $3y + 27$ _____

2. Factor: $6y + 36$ _____

12. Factor: $8x - 8$ _____

3. Factor: $8x + 32$ _____

13. Factor: $63n - 45$ _____

4. Factor: $8a + 64$ _____

14. Factor: $56y + 48$ _____

5. Factor: $12y - 30$ _____

15. Factor: $9n - 15$ _____

6. Factor: $4y + 32$ _____

16. Factor: $9x + 45$ _____

7. Factor: $4n + 24$ _____

17. Factor: $5a - 10$ _____

8. Factor: $35y + 49$ _____

18. Factor: $24x + 30$ _____

9. Factor: $21x - 27$ _____

19. Factor: $20n + 35$ _____

10. Factor: $5n - 15$ _____

20. Factor: $8a - 64$ _____

Algebraic Expressions: Answer Key

1. $4(a + 8)$

2. $6(y + 6)$

3. $8(x + 4)$

4. $8(a + 8)$

5. $6(2y - 5)$

6. $4(y + 8)$

7. $4(n + 6)$

8. $7(5y + 7)$

9. $3(7x - 9)$

10. $5(n - 3)$

11. $3(y + 9)$

12. $8(x - 1)$

13. $9(7n - 5)$

14. $8(7y + 6)$

15. $3(3n - 5)$

16. $9(x + 5)$

17. $5(a - 2)$

18. $6(4x + 5)$

19. $5(4n + 7)$

20. $8(a - 8)$