

Expanding brackets and simplifying

Algebra – grade 8

Name: _____ Date: _____ Score: _____

1. Expand and simplify: $3(x + 5) + 2x$

Answer: _____

2. Expand and simplify: $7(x + 7) + 8x$

Answer: _____

3. Expand and simplify: $3(x + 2) + 2x$

Answer: _____

4. Expand and simplify: $2(x + 7) + 9x$

Answer: _____

5. Expand and simplify: $4(x + 1) + 4x$

Answer: _____

6. Expand and simplify: $6(x + 9) + 6x$

Answer: _____

7. Expand and simplify: $4(x + 3) + 2x$

Answer: _____

8. Expand and simplify: $4(x + 4) + 1x$

Answer: _____

9. Expand and simplify: $7(x + 5) + 5x$

Answer: _____

10. Expand and simplify: $3(x + 3) + 5x$

Answer: _____

11. Expand and simplify: $4(x + 6) + 2x$

Answer: _____

12. Expand and simplify: $6(x + 6) + 7x$

Answer: _____

13. Expand and simplify: $6(x + 4) + 3x$

Answer: _____

14. Expand and simplify: $3(x + 8) + 5x$

Answer: _____

Expanding brackets and simplifying - Answer key

Algebra – grade 8

Name: _____ Date: _____ Score: _____

1. Expand and simplify: $3(x + 5) + 2x$

$5x + 15$

2. Expand and simplify: $7(x + 7) + 8x$

$15x + 49$

3. Expand and simplify: $3(x + 2) + 2x$

$5x + 6$

4. Expand and simplify: $2(x + 7) + 9x$

$11x + 14$

5. Expand and simplify: $4(x + 1) + 4x$

$8x + 4$

6. Expand and simplify: $6(x + 9) + 6x$

$12x + 54$

7. Expand and simplify: $4(x + 3) + 2x$

$6x + 12$

8. Expand and simplify: $4(x + 4) + 1x$

$5x + 16$

9. Expand and simplify: $7(x + 5) + 5x$

$12x + 35$

10. Expand and simplify: $3(x + 3) + 5x$

$8x + 9$

11. Expand and simplify: $4(x + 6) + 2x$

$6x + 24$

12. Expand and simplify: $6(x + 6) + 7x$

$13x + 36$

13. Expand and simplify: $6(x + 4) + 3x$

$9x + 24$

14. Expand and simplify: $3(x + 8) + 5x$

$8x + 24$