

Rewrite each expression using the Distributive Property.

1. $10(X + Y) =$

5. $6(5Q - 2) =$

2. $7(2A - 3B) =$

6. $2X(10 + 1) =$

3. $X(5 + 9) =$

7. $Y(X + Z) =$

4. $11(8 - Q) =$

8. $A(3B - 2C) =$

Find the greatest common factor and rewrite.

9. $12Y + 30X =$

12. $8X - 11X =$

10. $24Q - 21X =$

13. $12A + 2AB =$

11. $9Y + 9 =$

14. $9XY + 36XZ =$

15. $8X - 4 =$

Demonstrate the Distributive Property and then simplify both sides of the equation using the order of operations.

16. $3(5 - 2) =$

21. $-2(8 + 3) =$

17. $11(8 + 4) =$

22. $9(X + X) =$

18. $7(9 - 1) =$

23. $A(4 + 2) =$

19. $10(5 + 6) =$

24. $Q(X - 7) =$

20. $-3(4 + 8) =$

25. $-5(3 + 2) =$