

Name _____

Date _____

Factor Algebraic Expressions

G6

Factoring algebraic expressions means breaking them into simpler parts multiplied together. It helps solve equations, simplify problems, and understand patterns in math, making it an important skill for solving real-world and mathematical challenges.

Q1 Factor the expression $6x + 18$.

A. $6(x + 3)$

B. $2(x + 9)$

C. $3(x + 6)$

D. $6(x + 18)$

Q2 Factor the expression $9y + 36$.

A. $9(y + 4)$

B. $3(y + 12)$

C. $12(y + 3)$

D. $9(y + 36)$

Q3 Factor the expression $4x - 12$.

A. $4(x - 3)$

B. $2(x - 6)$

C. $4(x - 12)$

D. $2(x - 3)$

Q4 Factor the expression $14a + 21b$.

A. $7(2a + 3b)$

B. $14(a + 1.5b)$

C. $7(a + 3b)$

D. $21(2a + b)$

Name _____

Date _____

Factor Algebraic Expressions - Answer Key**Q1****A****Q2****A****Q3****A****Q4****A**